

COMPUTING RESEARCH NEWS



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

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CRN At-A-Glance

2019 Computer Science Tenure-Track Faculty Hiring Outcomes

This work directly follows [previous work](#) that analyzed current and future Computer Science needs via advertised tenure-track faculty searches for 2019. This follow-on work looked to understand the relative success of institutions in hiring the tenured/tenure-track faculty in the areas of Computer Science that were being sought.

The full report containing a description of the methodology and the complete results is available at <http://www.cs.wpi.edu/~cew/papers/outcomes19.pdf>

See page 2 for full article.

Save the Date: 2020 CRA Conference at Snowbird

The biennial CRA [Conference at Snowbird](#) is the flagship invitation-only conference for the leadership of the North American computing research community. The upcoming conference will be held July 21-23, 2020 in Snowbird, Utah. The New Chairs Workshop will take place on July 21, 2020.

See page 4 for full article.

**A. Nico Habermann Nominations
Due December 6**

**Distinguished Service Award Nominations
Due December 6**

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2019 Computer Science Tenure-Track Faculty Hiring Outcomes

By Craig E. Wills, Professor and Department Head, Computer Science Department, Worcester Polytechnic Institute

This work directly follows [previous work](#) that analyzed current and future Computer Science needs via advertised tenure-track faculty searches for 2019. This follow-on work looked to understand the relative success of institutions in hiring the tenured/tenure-track faculty in the areas of Computer Science that were being sought.

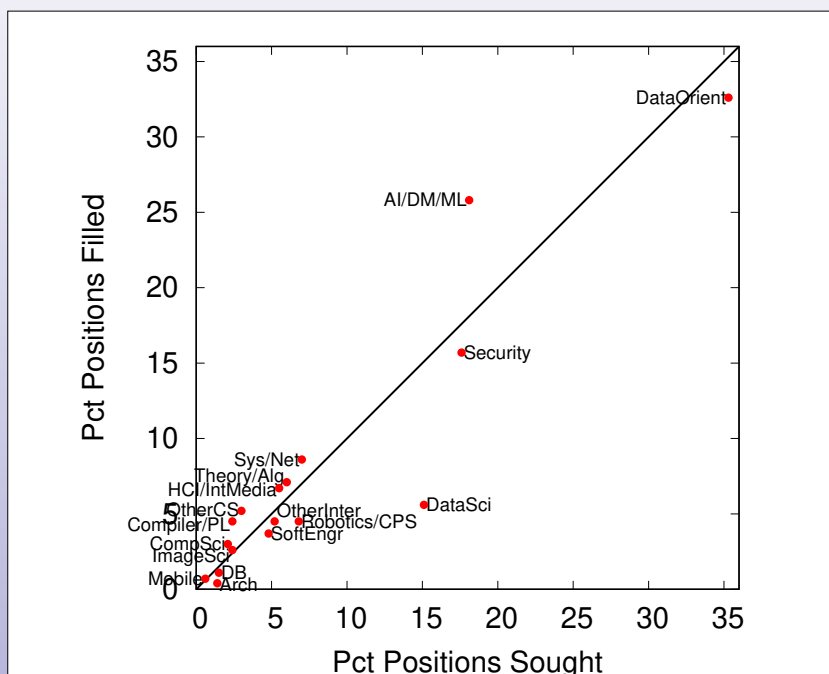
Responses to a survey were obtained from 147 institutions that reported seeking tenure-track faculty in 2019. The distribution of survey responses based on institutional type was in roughly the same proportion as for all institutions that were searching for tenure-track faculty. Survey respondents reported seeking a total of 355 faculty positions.

Survey respondents reported filling a total of 267 tenure-track faculty for an aggregate success rate of 75%, which is comparable to previous years of this study. Examination on the success of the search for each of the 147 institutions found that 13% of institutions failed to hire any faculty, while 56% succeeded in hiring at least as many faculty as were being sought. These

failed search results are better than and the institutional success results are comparable to survey results from 2018. In terms of results for different types of institutions, the top-100 PhD institutions had the smallest failed search rate of 2% while BS institutions had the highest failed search rate of 26%. Private MS&BS (64%) and public PhD (58%) institutions had the highest rate of hiring at least as many faculty as were being sought. Public MS&BS (46%) institutions had the lowest reported rate in hiring as many faculty as were being sought.

Reported results on the previous position for hired faculty show that three types of such positions continue to be dominant. 29% were previously in a post-doc/researcher position, 26% of hired faculty start with a newly-earned PhD and 23% were previously in a tenured or tenure-track position at another institution. The post-doc/researcher results are higher than results from a similar study in 2018.

Survey respondents reported on the number of hires in each of 16 clustered areas. The clustered area of AI, Data Mining



Faculty Hiring Outcomes *(continued)*

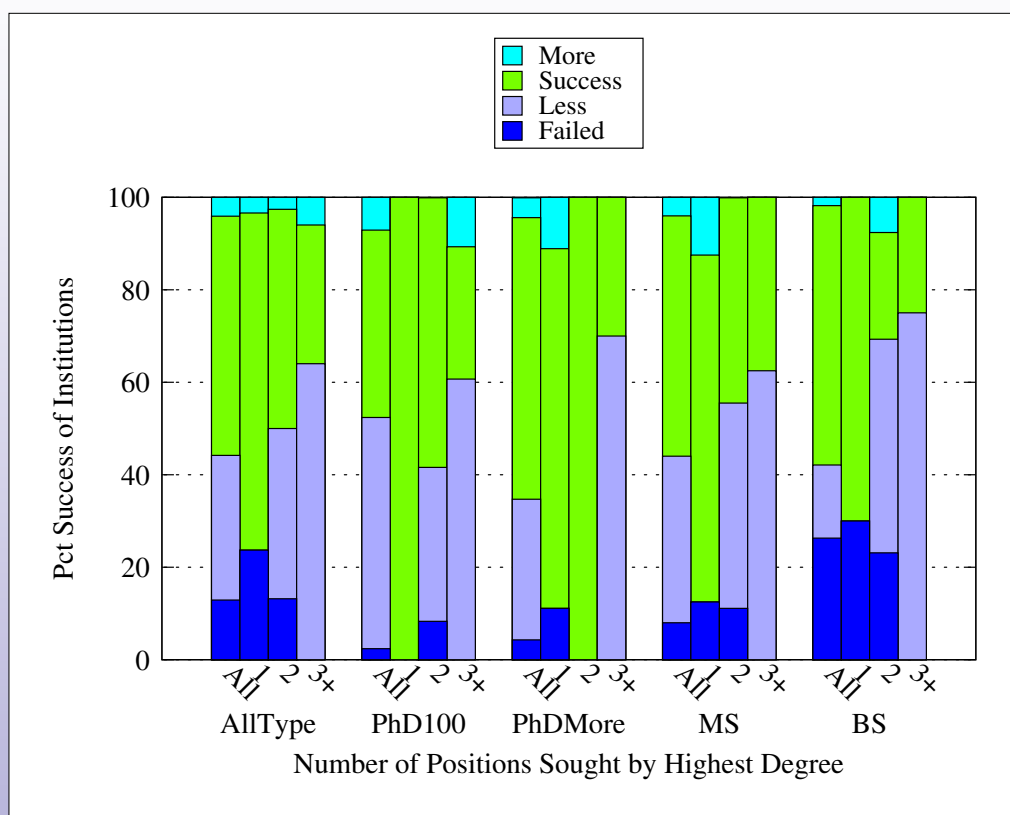
and Machine Learning (AI/DM/ML) accounted for 26% of the filled positions (up from 19% in 2018). Security accounted for the next most with 16% of the filled positions (up from 14% in 2018) while Systems/Networking (9%), Theory/Algorithms (7%) and HCI/Interactive Media (7%) were the next areas in terms of filled positions. Further clustering of results for the AI/DM/ML, Databases and Data Sciences areas finds that 33% of hires were “Data Oriented,” which is up from 28% in 2018.

In comparing the areas of filled positions with the areas in which positions were sought, the AI/DM/ML area shows the biggest net positive net difference percentage of positions filled and sought. In contrast, the area of Security showed a smaller (than 2018) negative difference with 16% of filled positions, but 18% of sought positions. The area of DataSci had a 9% negative net percentage difference between filled and sought positions. Data-oriented areas accounted for 35% of sought positions and 33% of filled positions. In general, the net percentage differences between areas sought and filled were smaller than similar results in 2018.

A final analysis uses CRA Taulbee Survey results to compare areas for PhD production with area of faculty positions sought and filled. Security is the area with most obvious discrepancy between percentage of PhDs produced (6%) and faculty positions sought (18%). Security and AI/DM/ML are the areas with the highest discrepancy between PhDs produced and positions filled with a net of 10% and 9% more positions filled than PhDs produced.

In summary, the results continue to show a mix of success with just 56% of institutions hiring at least the number of faculty they were seeking. In terms of areas, AI/DM/ML, Databases and Data Science collectively represent a third of the positions filled, although PhD production in these areas was not this high. There continues to be stronger demand for positions in Security than PhD production or positions actually filled, although the differences are a bit less than were found in 2018.

The full report containing a description of the methodology and the complete results is available at <http://www.cs.wpi.edu/~cew/papers/outcomes19.pdf>



Save the Date: 2020 CRA Conference at Snowbird

The biennial [CRA Conference at Snowbird](#) is the flagship invitation-only conference for the leadership of the North American computing research community. The upcoming conference will be held July 21-23, 2020 in Snowbird, Utah. The New Chairs Workshop will take place on July 21, 2020.

Workshop Details

Tuesday, July 21, 2020, Conference begins with late afternoon reception

Wednesday - Thursday,

July 22-23, 2020: Conference full days



The upcoming conference dates are revised somewhat from past schedules with the intent of making the conference more family friendly by avoiding weekends. We will continue to post updates to the [event website](#) as details are finalized. The 2018 conference program is posted online [here](#) and speaker slides are highlighted in blue if available.

Announcements

Are You Working on the Taulbee Survey?

The CRA Taulbee Survey is in progress. The deadline for the salary section is **December 1**.

Late December: Preliminary salary report available to participants.

January 17, 2020: Due date for the main Taulbee section.

CRA CV Database

The CRA [CV Database](#) is now open for the 2019-20 recruiting season. Please encourage all of your finishing PhD students looking for academic or industrial/government laboratory research positions to post their applications in mid-September before the academic recruiting season begins. In mid-October, recruiter access to the database will be made available.

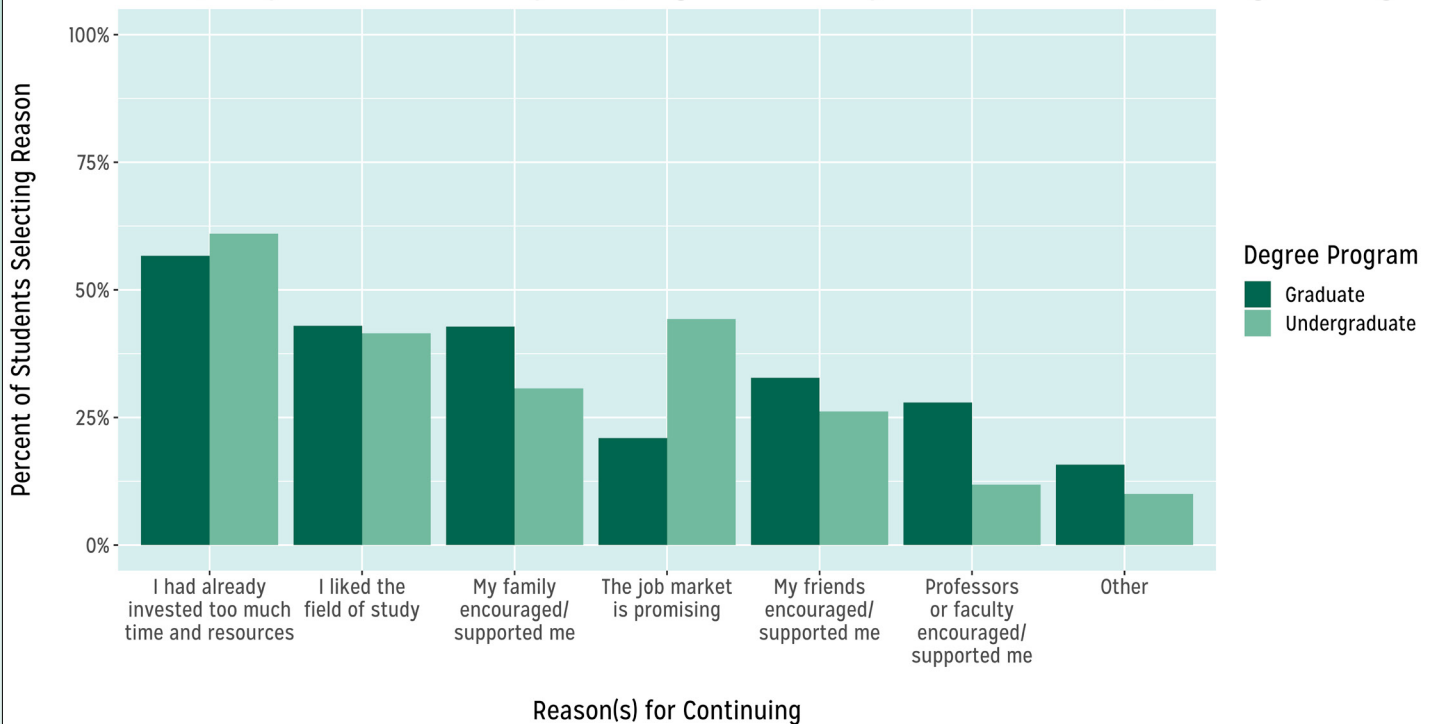
Upcoming Nomination Deadlines

CRA-E Undergraduate Research Faculty Mentoring Award	November 22
Candidates Sought for CRA Board of Directors	November 29
CRA Distinguished Service Award	December 6
A. Nico Habermann Awards	December 6
CRA-E Graduate Fellows Program	January 27, 2020

What Helps Undergraduate and Graduate Students Continue in Their Computing Degree Programs?

By Evelyn Yarzebinski, CERP Research Associate

What helped you continue in your program when you were contemplating leaving?



Note: Respondents were asked to select up to three of the above reasons regarding why they chose to remain in their computing degree program after considering leaving it.
Source: Data Buddies Survey (DBS) 2018, Center for Evaluating the Research Pipeline, Computing Research Association

If a student is contemplating leaving their computing degree program, what factors might cause them to consider continuing in the program? We asked students if they ever seriously considered changing their major (undergraduate) or leaving their program (graduate) prior to completing their intended degree. Of the 10,372 undergraduate responses, 16% reported seriously considering changing their major. Of the 4,021 graduate responses, 20% reported seriously considering leaving their program early.

The reported sample is comprised of students that ultimately decided to continue in their program. What were some contributing factors to that decision? The above plot shows the reasons students selected to explain why they persisted in their intended computing degree program.

The data indicate that students' primary selected reason to continue in their program is the amount of time and resources they have invested, for both undergraduate and graduate students. Undergraduates' next reasons were the



What Helps Students *(continued)*

promising job market and liking the field of study, while graduates' next reasons were liking the field of study and receiving family support.

Independent samples t-tests revealed that undergraduate and graduate students had significantly different selection rates for the following reasons: "I had already invested too much time and resources", "My family encouraged / supported me", "The job market is promising", "My friends encouraged / supported me", "Professors or faculty encouraged / supported me", and "Other".

There was no significant difference between undergraduate and graduate students' rates of selecting "I liked the field of study". [Note: Although the full results of the independent samples t-tests are not reported for space considerations, they are available upon request.]

Taken together, these results indicate that undergraduate and graduate students may give different consideration to factors that help them continue in their intended computing degree program.

Notes:

The survey data used in this infographic were collected during fall 2018 by CERP via the [Data Buddies Project](#). The plotted sample includes 786 graduate students and 1,618 undergraduate students in a computing degree program who indicated they seriously considered leaving their program at least once. Students were then asked to select up to three reasons to explain what helped them continue in their program while they were considering leaving.

This analysis is brought to you by the CRA Center for Evaluating the Research Pipeline (CERP). CERP provides social science research and comparative evaluation for the computing community. Subscribe to the CERP newsletter [here](#). Volunteer for Data Buddies by signing-up [here](#).

This material is based upon work supported by the National Science Foundation under grant numbers CNS-1246649, DUE 1431112, and DUE 1821136. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation or CRA.

Thermodynamic Computing Workshop Report Released

By CCC Staff

The **Computing Community Consortium** (CCC) recently released the **Thermodynamic Computing workshop report**, the output of the CCC's January 2019 **visioning workshop** of the same name.

The workshop was organized by **Tom Conte** (Georgia Tech), **Erik DeBenedictis** (Sandia National Laboratories), **Natesh Ganesh** (University of Massachusetts Amherst), **Todd Hylton** (UC San Diego), **Susanne Still** (University of Hawaii), **John Paul Strachan** (Hewlett Packard Lab HPE), **R. Stanley Williams** (Texas A&M). It brought together physical theorists, electrical and computer engineers, electronic/ionic device researchers, and theoretical biologists to explore a novel idea: computing as an open thermodynamic system.

The report begins by explaining the need for thermodynamic computers: with the end of **Moore's Law** and **Dennard scaling** we will require novel

methods of computing to continue making improvements to computational efficiency. It follows that "if we want to make computers function more efficiently then we should care about energy and its ability to efficiently create state changes – i.e. we should care about thermodynamics" (page 1). We can find inspiration for such computing methods in living systems – like the human brain or a folding protein – that are able to spontaneously find energy-efficient configurations. What if we could build a computer that worked in a similar way? This report contemplates uses for such future systems and then outlines a potential roadmap to develop them.

So, what is a thermodynamic computer (TC)? The report defines it as an "engineered, multi-scale, complex system that, when exposed to external potentials (inputs), spontaneously transitions between states in the short term while refining its organization in the long term, both as part of an inherent, adaptive process driven by thermodynamics...

For example, TCs may employ naturally occurring device-level fluctuations to explore a state space and to stabilize on low-energy representations, which may then be employed in an engineered task" (page 6).

If we are able to successfully design such systems then, in addition to enabling "computation near fundamental limits of efficiency" and at lower costs, we will likely enable "understanding of the organization and computational power of living systems, potentially including the spontaneous emergence of 'intelligence'," "a very large increase in the capabilities of small, low-cost, computing systems, such as perceptual capabilities that rival those of animal sensory systems," "lower the environmental impact of computing systems," and "improve outcomes in most human enterprise, including medicine, business, agriculture, defense, security, leisure, etc." (page 12-13).

To learn more about what a TC is and what it will take to design one, read the full report [here](#).

Expanding the Pipeline: The 2019 ACM Richard Tapia Celebration of Diversity in Computing Conference



CRA-WP

Computing Research Association
Widening Participation

By Jerri Barrett, Director of Social Media, CMD-IT

The 2019 ACM Richard Tapia Celebration of Diversity in Computing Conference, presented by CMD-IT, took place at the Marriott Marquis San Diego Marina on September 18-21. This year's theme, "Diversity: Building a Stronger Future" reminded the participants of the critical role of diversity in computing innovation and the creation of the future of all aspects of STEM. Engaging a diverse workforce will result in solutions that benefit everyone and create a stronger, brighter future:

- A Stronger Future for Innovation: Providing innovative technology that arises from diverse perspectives with key insights to create unique solutions to challenging problems.
- A Stronger Future for Knowledge: Bringing together diverse disciplines – science, engineering, and computing to create new technologies to solve unique problems.
- A Stronger Future for Communities: Creating new technology to enrich and enhance the growth of diverse communities.
- A Stronger Future for Life: Engaging diverse groups in the creation of technology provides the opportunities for everyone to improve the world.

The 2019 Tapia Conference broke records with 1,920 attendees, a 34% increase over 2018. The conference welcomed students from over 250 colleges and universities. Students represented 57% of conference attendees. A record breaking 134 conference sponsors representing industry, academia, government labs and nonprofits were in attendance. The conference was pleased to welcome Qualcomm as its first Diamond sponsor.

The Tapia Conference program planning was organized in conjunction with committees made up of volunteers spanning industry, academia and government. This year, the committees exceeded over 280 members. The conference was led by General Chair Joel Branch, Vice President of AI Development at Lucid, Inc and Program Chair David Martinez, Associate Head of Cyber Security and Information Sciences Division, MIT – Lincoln Laboratory. In addition to committees focused on birds of a feather sessions, posters, scholarships, and a doctoral consortium, the conference leadership created three separate



Tapia Attendees

workshop and panel committees: Academic, Industry/Government and Technical.

The conference featured leading technologists and tech entrepreneurs as plenary speakers, who acted as role models for the attendees. The conference kicked off with a fireside chat, *Misinformation Evolved: The Long Road Ahead*. This session addressed modern misinformation techniques and identified opportunities for future research and solutions. The session was moderated by Vice President of AI Development at Lucid, Inc Joel Branch and featured speakers Charles Isbell, John P. Imlay, Jr. Dean of College of Computing, Georgia Tech, Uthra Ramanujam, Executive Director, Software Engineering – Operations Innovation and Emerging Technology, JP Morgan Chase and Maja Vukovic, Manager, Principal Research Staff Member, Cognitive Service Management, IBM T.J. Watson Research Center.

The plenary speakers were:

- Stephanie Lampkin, Founder and CEO, Blendoor, is a TEDx speaker and former downhill ski racer, who has graced the cover of *The Atlantic*, *Fortune* 40 under 40, *MIT Tech Review* 35 under



Expanding the Pipeline *(continued)*



Stephanie Lampkin



Hector Ruiz

35 and *Forbes* to name a few. She is the founder and CEO of Blendoor, software that mitigates unconscious bias in hiring. In her inspirational talk *Hacking Human and Algorithmic Bias*, Stephanie shared her personal experiences and professional insights on how to hack bias and enable emerging technologies to level the playing field instead of widening gaps.

- Hector Ruiz, Founder and Director at ANSI Capital LLC, is an accomplished chief executive and technology luminary and is driven by the idea that technology and education dramatically improve people's lives. Dr. Ruiz delivered the Ken Kennedy Distinguished Lecture entitled *Good Before Better: Building a Technology Tomorrow*. His inspirational talk was focused not on what technology should be created but why. The answer to why will make the difference between a technology-rich future that elevates human potential, or one that just accelerates the status quo or worse. His talk was designed to help a new generation of innovators rise to meet the enormous risks and rewards facing them as they create the next technologies.
- Jennifer Mankoff is the Richard E. Ladner Professor, Paul G. Allen School of Computer Science and Engineering, University of Washington. Her research focuses on assistive technologies

for equal access, health and wellness, and takes a multifaceted approach that includes machine learning, 3D printing, and tool building. Her talk, *Making Accessibility*, focused on the current revolution in how assistive technology is being created and by whom. This talk highlighted the potential of these technologies for people with disabilities, as well as the challenges that end users face in leveraging them effectively to address assistive technology issues.

On September 18, the conference featured the CMD-IT Student Professional Development Workshop, which provided undergraduate and master's level students with best practices around resume writing, preparing for the rigors of the technical and behavioral interview process, and how to manage their social media presence. Students were also offered individual and group coaching on their resumes by representatives of industry sponsors. The DOE National Laboratories Workshop was also presented on September 18. This workshop provided students with the opportunity to learn more about the types of research performed at National Laboratories.

Birds of a feather sessions included: *Hispanics in Computing*, *Diversity includes Disability*, *Black in AI*, *Experience of Being*



Expanding the Pipeline *(continued)*



Jennifer Mankoff



Ken Washington

Queer in Computing and Academia, Increasing Diversity in Computing: A Call to Action, and A Conversation with Richard Tapia, which was moderated by CMD-IT CEO Valerie Taylor. Some of the workshops featured at the conference included: *Living in a 5G ERA: Smart Cars, Smart Cities and AI*, *Next-Generation Secure Computer Systems: Post-Quantum Cryptosystems*, and *From Implicit Bias to a Stronger Future*.

In addition, the Tapia Conference presented a two-part Faculty Workshop. The first part focused on securing research funding from different federal agencies. The second part featured the University of Texas at El Paso (UTEP), the winner of the CMD-IT University Award for Retention of Minorities and Students with Disabilities in Computer Science. UTEP presented their successful strategies for increasing retention.

"At UTEP, we have long recognized the importance of inclusion and equity as a means of advancing discovery. The unique perspectives of our 21st century student demographic and faculty are vital contributions to research and innovation. UTEP is currently at the forefront of an initiative to ensure Hispanics comprise 20 percent of graduates in computing disciplines, nationally, by 2030. UTEP's recent designation as a top tier research institution affirms the ability of a university to conduct outstanding research while providing exemplary learning environments that graduate competitive students from underserved communities. We greatly appreciate being recognized by an organization that shares our mission of providing opportunities for young people to achieve success. We look forward to collaborating with CMD-IT and other partners to continue to create pathways for diverse approaches in computing," said Ann Gates, Professor and Chair of the Computer Science Department at UTEP.

The Tapia Conference concluded with a banquet, awards ceremony and dance party. The featured banquet speaker was Dr. Ken Washington, Chief Technology Officer, Ford Motor Company. He leads Ford's worldwide research organization, overseeing the development and implementation of the company's technology strategy and plans, and plays a key role in the company's expansion into emerging mobility opportunities. The awards ceremony featured the



Expanding the Pipeline *(continued)*



Cristina Villalobos

winner of the Best Doctoral Consortium presentation, the winners of the ACM Student Research Competition Poster

awards, and the Tapia Poster Awards. The awards ceremony ended with the presentation of the Richard A. Tapia Achievement Award for Scientific Scholarship, Civic Science and Diversifying Computing, which is an award recognizing an individual who demonstrates significant leadership, commitment and contributions to diversifying computing. The 2019 winner of the award was Dr. Cristina Villalobos, who holds the Myles and Sylvia Aaronson Endowed Professorship in the School of Mathematical and Statistical Sciences at the University of Texas Rio Grande Valley and is the Founding Director of the Center of Excellence in STEM Education, which focuses on strengthening STEM academic programs and providing resources for the academic and professional development of faculty and students, and in increasing the numbers of underrepresented students attaining STEM degrees.

Next year's Tapia Conference will be held in Dallas Texas, September 16-18, 2020. Academics and industry professionals interested in volunteering on a conference committee should email jerri@cmd-it.org. To learn more about the conference go to www.tapiaconference.org.

About the Author

Jerri Barrett is the Director of Social Media for the Center for Minorities and People with Disabilities in IT (CMD-IT). Prior to CMD-IT Jerri was the VP of Outreach for the SENS Research Foundation, and VP of Marketing for the Anita Borg Institute. Before that Jerri spent 20 years in high tech and telecommunications marketing for companies such as Rochester Telephone, Glenayre Technologies, Nortel Networks and HighWired. Jerri earned a Bachelor's degree from Mount Holyoke College and an MBA from the William E. Simon School of Business Administration.

CRA Board Member Andrea Danyluk Named Distinguished Member of ACM

Recently, ACM named 62 Distinguished Members for outstanding contributions to the field. Several from the CRA community were recognized for outstanding educational contributions to computing, including CRA Board Member and CRA-WP Co-Chair Andrea Danyluk. Congratulations to all!

Valerie B. Barr

Mount Holyoke College

Andrea Danyluk

Williams College

Manuel A. Pérez Quiñones

University of North Carolina at Charlotte

Jodi L. Tims

Northeastern University

"Each year it is our honor to select a new class of Distinguished Members," explains ACM President Cherri M. Pancake. "In everything we do, our overarching goal is to build a community wherein computing professionals can grow professionally and, in turn, contribute to the field and the broader society. We are delighted to recognize these individuals for their contributions to computing, and we hope that the careers of the 2019 ACM Distinguished Members will continue to prosper through their participation with ACM."



Andrea Danyluk

Danyluk joined the CRA Board of Directors in October 2019, replacing Julia Hirschberg. She is the Mary A. and William Wirt Warren Professor of Computer Science at Williams College. She received her A.B. from Vassar College in 1984 and her Ph.D. from Columbia University in 1992, and was a researcher at NYNEX (now Verizon) before joining the faculty at Williams in 1994. Danyluk's research interests are focused on applications of machine learning. She has published book contributions, journal and conference articles in this area, and has co-edited a special issue of the Journal of Machine Learning Research. She has served on numerous conference program committees, including the National Conference on Artificial Intelligence (AAAI) and the International Conference on Machine Learning (ICML) and has served as Tutorials co-Chair for AAAI (twice), Associate Chair for AAAI, Program co-Chair of ICML 2001, and General Chair of ICML 2009. Danyluk is active in CS education. She is a co-author of *Java: An Eventful Approach*, with Kim Bruce and Tom Murtagh, and was a member of the ACM / IEEE Task Force on CS Curricula 2013. She is a member of the ACM Education Board, the ACM Education Advisory Committee, and is co-chair of the ACM Data Science Task Force. She joined the Computing Research Association's Committee on the Status of Women in Computing Research (CRA-W) in 2008. She is the co-chair of CRA-WP.

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Column Editor

Expanding the Pipeline
Patty Lopez, Intel

Professional Opportunities

American University

*Term Faculty Position
Instructor or Professorial Lecturer
Department of Computer Science*

The Department of Computer Science of the College of Arts and Sciences at American University invites applications for a term faculty appointment for Spring 2020. Rank will be dependent on experience and stature in the field. The appointment is a 5-month position and will commence on January 13, 2020. The position is potentially renewable.

Applicants should hold a Ph.D. in Computer Science or related field. Highly qualified applicants with a Master's degree in Computer Science or related field will be considered. The ideal candidate will be an inspiring teacher with demonstrated excellence in entry-level Computer Science courses. Competency in the teaching of systems-oriented courses is desirable but not required. The successful candidate will be expected to teach two sections of our Introduction to Computer Science course (a python-based course that serves as an introduction to the computer science major) and a section of either our Data Structure course (Java-based) or our Systems programming course (C/C++-based). Alternatively, one of these three courses could be replaced by another course of his or her interest available in the department. All faculty are expected to hold office hours and participate in School and University activities and service.

The Computer Science Department offers both a BS and a MS in computer science.

The undergraduate major has been experiencing rapid growth. Learn more about the department at <https://www.american.edu/cas/cs/>.

American University is a private institution within easy reach of the many centers of government, business, research, and the arts located within the nation's capital. For more information about American University, visit www.american.edu.

American University is an equal opportunity, affirmative action institution that operates in compliance with applicable laws and regulations. The university does not discriminate on the basis of race, color, national origin, religion, sex (including pregnancy), age, sexual orientation, disability, marital status, personal appearance, gender identity and expression, family responsibilities, political affiliation, source of income, veteran status, an individual's genetic information or any other bases under federal or local laws (collectively "Protected Bases") in its programs and activities. American University is a tobacco and smoke-free campus.

Submitting an Application

Salary is competitive. Review of applications will begin on October 21, 2019 and will continue until the position is filled. Please submit applications via: <http://apply.interfolio.com/68398> a letter of application, curriculum vitae, teaching statement, three letters of recommendation, and teaching evaluations and/or other material documenting teaching excellence,

especially in the context of introductory computer science courses. Please contact Nathalie Japkowicz at japkowic@american.edu if you have any questions.

American University

Open Rank, Computer Science

The Department of Computer Science in the College of Arts and Science at American University invites applications for two full-time, tenure-line positions beginning August 1, 2020. One of the positions is at the rank of Assistant or Associate Professor. The other position is at the rank of Associate or Full Professor. Applicants should have a Ph.D. or an anticipated Ph.D. completion by August 2020 in the field of Computer Science. Depending on qualifications, the appointee to this position may be recommended for tenure at the time of hiring.

We are looking for candidates who are strongly committed to excellence in scholarly research, are effective teachers, and are excited at the prospect of joining a growing department where they will be able to make their mark and join a friendly, collegiate and highly accomplished team.

Preference will be given to candidates with a record of high-quality scholarship. The committee will consider candidates in all areas of research with emphases on individuals engaged in large scale projects that make use of high-performance computing tools and on individuals engaged in cybersecurity

Professional Opportunities

projects. Other areas of research of interest to the department include Natural Language Processing, Deep Learning, Database Management, and Networking. Excellent candidates in other research areas, especially with domains of applications compatible with those active at American University, will also be considered as we strongly welcome researchers who ignore traditional disciplinary boundaries. In addition to scholarship and teaching, responsibilities will include participation in department, school and university activities.

Salary and benefits are competitive. Review of applications will begin by November 1. Please submit applications via Interfolio: <http://apply.interfolio.com/67762>. Include a letter of application, curriculum vitae, three letters of recommendation, recent teaching evaluations (when possible), and copies of recent published papers or working papers. Please contact Professor Nathalie Japkowicz at japkowic@american.edu if you have any questions.

American University is a private institution located in the nation's capital within easy reach of the many centers of government, business, research, and the arts. For more information about American University, visit www.american.edu. The Department of Computer Science is a small but exciting department with a growing student population and strong research achievements.

American University has specifically identified Computer Science as one of its targets for growth, with the goal

of making it a premium research and teaching unit within the university. Computer Science also falls within several areas of strategic focus identified by the university president in her strategic plan, such as Data Science and Security. Along with the Department of Mathematics and Statistics, the Department of Physics, the Game Lab, and the Entrepreneurship and Innovation Incubator, the Department of Computer Science has moved into the brand-new Don Myers Technology & Innovation Building. Computer Science currently offers an undergraduate and a Master's program with four different tracks (Applied, Data Science, Game, and Cybersecurity). A combined Ph.D. program with the Mathematics and Statistics Department is being discussed. Learn more about the College of Arts and Sciences at <http://www.american.edu/cas/> and about the Department of Computer Science at <http://www.american.edu/cas/cs/>.

American University is an equal opportunity, affirmative action institution that operates in compliance with applicable laws and regulations. The university does not discriminate on the basis of race, color, national origin, religion, sex (including pregnancy), age, sexual orientation, disability, marital status, personal appearance, gender identity, and expression, family responsibilities, political affiliation, source of income, veteran status, an individual's genetic information or any other bases under federal or local laws (collectively "Protected Bases") in its programs and activities. American University is a tobacco and smoke-free campus.

The American University of Beirut

Multiple tenure-track faculty positions in computer science

The Department of Computer Science in the Faculty of Arts and Sciences at the American University of Beirut invites applications for multiple tenure-track faculty positions in computer science to begin August 15, 2020. Strong candidates from all areas of computer science are encouraged to apply and will be considered.

AUB is a teaching-centered research university, and the successful candidates are expected to build a vigorous research program and teach both graduate and undergraduate courses.

Appointments are normally at the assistant professor rank for an initial period of four years. The teaching load is four courses a year. The language of instruction is English. Candidates must have a PhD in computer science or a closely related field by the time of appointment.

Applications should include a letter of interest; research, teaching, and service statements; complete curriculum vitae; and the names, e-mails, and addresses of at least three professional references. Application materials must be submitted to as_dean@aub.edu.lb.

Review of applications will begin on December 15, 2019 and will continue until the positions are filled.



Computer Science Faculty Tenure-Track

Come join a vibrant Computer Science department of 6 full-time faculty at Baldwin Wallace University-located within a stone's throw of the emerging tech-hub of Cleveland, Ohio. With a new \$25 million computing, math, and engineering building under construction and slated to open in January of 2021, there has never been a better time to bring your talents to BW and shape the future of computing with us.

We seek a full-time, tenure-track faculty member at any rank to begin August of 2020. A Ph.D. in Computer Science, or closely related field, is preferred, although candidates nearing degree completion will be considered. We are especially interested in candidates with expertise in Cybersecurity and/or Software Engineering who can contribute to our degree programs in these fields; qualified candidates in other areas of computing are encouraged to apply as well. Dedication to undergraduate teaching is essential. Research experience with undergraduates is desired. Rank and salary are commensurate with experience. To learn more about our department, please visit: <https://cs.bw.edu>.

Founded in 1845, Baldwin Wallace University is an independent, coeducational comprehensive institution in the liberal arts tradition and is located 15 miles southwest of downtown Cleveland and just minutes from Cleveland Hopkins International Airport. Baldwin Wallace enrolls approximately 3,000 full-time undergraduate day students, 250 part-time students in evening and weekend programs, and 900 graduate students. The University offers a competitive benefits package which includes funding for professional travel, summer grant opportunities, and tuition benefits for immediate family.

Applications can be submitted online at <https://www.bw.edu/employment>. Please submit via one (1) Word document or one (1) PDF file containing a cover letter, curriculum vitae, contact information for three references, statement of teaching philosophy, and evidence of effective teaching. While review of applications will continue until the position is filled, those applications submitted by November 10, 2019 will receive the fullest consideration.

Baldwin Wallace University is an EEO/AA employer and educator. At BW, we support and encourage diversity in a variety of forms. We value and appreciate inclusive excellence in the classroom, within extracurricular activities, and as we engage our community partners. Learn more at Diversity Affairs – <https://www.bw.edu/about/diversity/>.

member in Computer Science to begin January or August 2020. Candidates in all areas of computer science or interdisciplinary fields that intersect with computer science (such as any of the computational social sciences, digital humanities, or data science) are encouraged to apply. Applicants should hold a PhD, Masters, or professional equivalent in Computer Science or closely related field, and have substantial programming and teaching experience.

Bard College at Simon's Rock is a highly selective, small, liberal arts college for students eager to begin college early, usually after the tenth or eleventh grade. It is the model for the Bard High School Early Colleges in New York City, Newark, Baltimore, Cleveland, New Orleans, and Washington, D.C. Excellent teaching is key to early college success, and we seek applicants with experience or particular interest in working with highly motivated young people. Bard Academy prepares students to enter our early college, offering a rigorous and creative ninth and tenth grade program. The successful candidate will be expected to teach in both the College and the Academy.

Applicants should demonstrate a strong interest in actively engaging students, in contributing to curriculum development, in making connections with other disciplines, and in aligning their teaching and research interests with those of the student population. Our Computer Science program promotes undergraduate research. Students have authored

For more information on this position, please visit <http://www.aub.edu.lb/fas/pages/academic-employment.aspx>

Within the framework of Lebanese Law, the American University of Beirut is an equal opportunity employer.

Bard College

*Regular Full-time Faculty in
Computer Science*

Bard College at Simon's Rock invites applications for a full-time faculty

Professional Opportunities

academic papers and contributed to building and maintaining our servers.

Full-time faculty course load is 3/3; the student-faculty ratio is below 9:1. Regular faculty appointments are for 3-, 4-, and subsequent 10-year contracts. Bard College at Simon's Rock is an equal opportunity employer, and we encourage applications from candidates of all races, nationalities, sexual orientations, gender identities, and socioeconomic levels. Located in rural Berkshire County, Massachusetts, Simon's Rock strives to cultivate and maintain a welcoming environment of equity and inclusion. Employment is contingent on successful completion of a background check. Review of applications will begin immediately and will continue until the position is filled. Visit us at www.simons-rock.edu.

To apply, submit a cover letter, CV, research statement, teaching statement with evaluations, and three references to <https://simons-rock.slideroom.com/#/permalink/program/51561>. Application review will begin September 1 and continue until the position is filled.

Boston College

Non-Tenure Track Faculty Positions in Computer Science

The Computer Science Department of Boston College seeks to fill one or more non-tenure-track teaching positions, as well as shorter-term visiting teaching positions. All applicants should be committed to excellence in undergraduate

education, and be able to teach a broad variety of undergraduate computer science courses. Faculty in longer-term positions will also participate in the development of new courses that reflect the evolving landscape of the discipline.

Minimum requirements for the title of Assistant Professor of the Practice, and for the title of Visiting Assistant Professor, include a Ph.D. in Computer Science or closely related discipline.

Candidates without a Ph.D. would be eligible for the title of Lecturer, or Visiting Lecturer.

We will begin reviewing applications on October 15, 2019 and will continue considering applications until the positions are filled. Applicants should submit a cover letter, CV, and a separate teaching statement and arrange for three confidential letters of recommendation that comment on their teaching performance to be uploaded directly to Interfolio. To apply go to <https://apply.interfolio.com/68339>. Boston College conducts background checks as part of the hiring process. Information about the university and our department is available at <https://www.bc.edu> and <http://cs.bc.edu>.

Boston College is a Jesuit, Catholic university that strives to integrate research excellence with a foundational commitment to formative liberal arts education. We encourage applications from candidates who are committed to fostering a diverse and inclusive academic community. Boston College is an affirmative action/equal opportunity employer.

Boston College

Tenure Track Assistant Professor of Computer Science

The Computer Science Department of Boston College seeks a tenure-track Assistant Professor beginning in the 2020-2021 academic year. Successful candidates for the position will be expected to develop strong research programs that can attract external funding in an environment that also values high-quality undergraduate teaching. Outstanding candidates in all areas of Computer Science will be considered, with a preference for those who demonstrate a potential to contribute to cross-disciplinary teaching and research in conjunction with the planned Schiller Institute for Integrated Science and Society at Boston College.

A Ph.D. in Computer Science or a closely related discipline is required. See <http://cs.bc.edu> and <https://www.bc.edu/bc-web/schools/mcas/sites/schiller-institute.html> for more information. Application review is ongoing. Boston College conducts background checks as part of the hiring process.

Submit a cover letter, a detailed CV and teaching and research statements. Arrange for three confidential letters of recommendation to be uploaded directly to Interfolio. To apply go to <https://apply.interfolio.com/68273>.

Boston College is a Jesuit, Catholic university that strives to integrate research excellence with a foundational commitment

Professional Opportunities

to formative liberal arts education. We encourage applications from candidates who are committed to fostering a diverse and inclusive academic community. Boston College is an affirmative action/equal opportunity employer.

Boston University

Assistant Professor of Computer Science

The Department of Computer Science invites applications for two tenure-track assistant professorships beginning July 1, 2020, pending budgetary approval. Qualifications required of all applicants include a Ph.D. in Computer Science or related discipline, a strong research record, and a commitment to teaching at the undergraduate and graduate levels. Particular attention will be given to candidates pursuing research in data-centric computing, machine learning, robotics, human-computer interaction, graphics, or other areas of strategic growth.

The Department consists of a diverse group of 31 tenured and tenure-track faculty members, and offers programs leading to B.A., M.S., and Ph.D. degrees. The Department has research strengths in data mining, databases, graphics, image and video computing, machine learning, natural language processing, networking, distributed systems, operating systems, software design and implementation, real-time systems, security and cryptography, and theory of computation and algorithms. In addition, members of the Department collaborate closely with faculty across

the university including mathematics and statistics, computer engineering, mechanical engineering, biology, earth and environment, economics, law, medicine, among others. Candidates are encouraged to demonstrate throughout their application their attention to diversity and inclusion as these topics relate to teaching, research, and engagement within the academic environment.

Review of applications will begin on December 1, 2019 and continue on a rolling basis. Additional information about the Department is available at <http://www.bu.edu/cs>. Qualified applicants should apply at <https://academicjobsonline.org/ajol/jobs/14654>.

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

identity, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor.

Boston University

Associate or Full Professor Position in Data Science/Analytics

The Questrom School of Business at Boston University anticipates hiring a tenured faculty member at the rank of associate or full professor. Candidates should have an established reputation as an empirical data scientist. Pending Provost budgetary approval, the anticipated start date for this position is July 1, 2020.

The Questrom School of Business is building a strong group of faculty with expertise in all aspects of data science and analytics. Data Science has become a focal area for the entire University, with support at the Presidential level for a new Data Sciences Institute. Multiple recent hires at Questrom represent a strategic focus for the School and are intended to fuel cross-departmental program and research initiatives in analytics and data science. Candidates with a focus on health analytics or on digital innovation and platforms will have an edge in the hiring process.

Successful candidates will likely have a disciplinary association with Information Systems but could also have an interest in Marketing, Operations & Technology Management or Business Economics.

Professional Opportunities

Foundational training in these core business disciplines or in statistics, computer science, psychology or policy is welcome. A PhD in one of these areas is essential to signal a deep understanding of the power of analytics and experimentation using large data sets. Experience as a practicing data scientist working with companies is a plus.

We seek outstanding candidates who would be comfortable in, stimulated by, and engaged with the vibrant cross-disciplinary community that is data science. Prospective candidates must have demonstrated the ability to produce original and innovative scholarly work of the highest possible quality with impact in the top academic journals. Special consideration will be given to applicants who have demonstrated intellectual and institutional leadership, successful mentoring of doctoral students (as relevant for tenure track), strong teaching at the graduate and undergraduate levels, and evidence of curricular leadership. Candidates will be expected to teach a variety of undergraduate and graduate courses in analytics and contribute to cross-disciplinary curriculum development activities. Salary is competitive and commensurate with experience.

Interested candidates are encouraged to send application details to Dawn DeRossette questromis@bu.edu and include the following:

- A cover letter stating interest and qualification
- A curriculum vitae

- Three letters of recommendation
- Research and teaching statements
- Representative publications
- Statement of where you saw this notice (conference name, website, colleague, etc.)

Applications will be accepted until December 15, 2019, but will be reviewed on an ongoing basis as they arrive. We will begin interviewing in early September for a July 1, 2020 start.

DO NOT APPLY THROUGH THE BOSTON UNIVERSITY HR WEBSITE.

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.

Position Type: Full-time, Tenure-track
Salary: Commensurate with experience
Job Location: BOSTON, Massachusetts, United States
Position Type: Full-Time/Regular
Salary Grade: Competitive

Boston University

Tenure-Track Assistant Professor

The Department of Electrical & Computer Engineering (ECE) at Boston University (BU) anticipates a **Tenure-Track Assistant Professor** position

in the broader area of **computer systems and software**. Focus areas include but are not limited to operating systems, security, compilers, storage and networking systems, distributed and cloud systems, and mobile systems. BU's footprint in these areas is continuing to grow significantly. Candidates with research programs that transcend the traditional boundaries of ECE will have the option to explore affiliated appointments in appropriate departments, such as Computer Science, and Mathematics and Statistics.

BU ECE is a rising department and attracts exceptional graduate student and faculty talent at all levels. We have over 50 world-class faculty members and more than 350 graduate students. Research activity by primary faculty is approximately \$26M per year. According to US News and World Report both EE and CE programs rank in the top 20 among private universities. BU ECE faculty lead and participate in several high-profile, multidisciplinary research centers, including the Center for Information and Systems Engineering, the Hariri Institute for Computing and Computational Science and Engineering, the Center for Systems Neuroscience, the Rajen Kilachand Center for Integrated Life Science and Engineering, and the Photonics Center.

We are looking for outstanding candidates with a Ph.D. in Computer Science or Computer Engineering, who demonstrate potential for leading an independent and vibrant funded research program in their area of expertise, teaching effectively at

Professional Opportunities

the graduate and undergraduate levels, and utilizing their expertise to strengthen collaborative research within the department and beyond.

Boston University is an AAU institution with a rich tradition dedicated to inclusion and social justice. We are proud that we were the first American university to award a PhD to a woman and that Martin Luther King Jr. received his PhD here. We are dedicated to increasing the participation of all talented students and are committed to the pursuit of engineering by underrepresented groups at BU 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, 2019 will be given full consideration.

Applications can be submitted at <https://academicjobsonline.org/ajo/jobs/14480>

Brown University

Postdoctoral Research Associate

The Data Science Initiative at Brown University seeks applications for one-year postdoctoral fellowship positions in the area of data science with a start date of July 1, 2020, or earlier.

Candidates are required to have received a Ph.D. degree or equivalent by the start of this appointment and have a strong research record consistent with their level of experience. We seek candidates who work in the areas of Brown's

TRIPODS themes, namely Geometry and topology of data, Causal and model-based inference, and Data analysis on massive graphs and networks. <https://www.brown.edu/initiatives/data-science/research/tripods>

Please apply through Interfolio. <https://apply.interfolio.com/69301>

Bucknell University

Tenure Track Positions in Computer Science

The Department of Computer Science at Bucknell University seeks applications for two tenure-track positions at the Assistant Professor level in computer science beginning August 2020. We are interested in applicants working in any area of computer science, most particularly in those with research areas that expand the range of expertise in the department or that may lead to interdisciplinary collaborations. A PhD is required for this position. Candidates in the final stages of completing their doctoral work will be considered.

We seek candidates who will contribute to the teaching of courses in theoretical aspects of computer science or programming languages design, and core courses in our degree programs. Candidates will have opportunities to develop elective courses in their areas of expertise. We expect that candidates will develop a vigorous scholarly program that creates opportunities for student participation.

The department offers a BA and two ABET-accredited BS programs, one in Computer Science and another in Computer Science and Engineering. We have a firm commitment to diversity, equity, and inclusion and to student-centered teaching. Our computing environment is Linux/Unix-based. More information about the department can be found at: <http://www.bucknell.edu/ComputerScience/>

Review of applications will begin on November 1 and continue until the positions are filled. Candidates are asked to submit a cover letter, CV, a statement of teaching philosophy, a statement of research interests, a statement describing any past experience, training, or engagement with issues of diversity, equity, and inclusion, and three confidential letters of recommendation. Applications are only accepted through <http://jobs.bucknell.edu>. Questions should be directed to Professor L. Felipe Perrone, Chair of Computer Science (perrone@bucknell.edu).

About Bucknell

Bucknell University is a private, highly ranked, primarily undergraduate, national liberal arts institution that also offers strong professional programs in engineering, management, education, and music.

Bucknell University is an Equal Opportunity Employer. The university believes that students learn best in a diverse, inclusive community and is therefore committed to academic excellence through diversity in its faculty,

Professional Opportunities

staff, and students. Applications from members of groups that have been historically underrepresented in higher education are encouraged.

Bucknell is committed to creating a climate that fosters inclusion, growth, and development for a diverse student body, and seeks candidates who are also committed these goals.

Bucknell is committed to supporting the teacher-scholar model of faculty development. The teaching load is 5 courses per year. With a student-faculty ratio of about 9:1, small class sizes are a hallmark of the Bucknell educational experience. The university sponsors a range of activities to support the development of its faculty, including a Teaching-Learning Center and generous research support and leave policies.

Bucknell is located in Lewisburg, Pennsylvania, on the banks of the Susquehanna River. The Lewisburg area offers a combination of outdoor recreation opportunities and small-town amenities. In addition to the cultural and athletic events offered at the University and in town, the region offers strong schools and medical facilities, and an affordable cost of living. Bucknell is about three hours from Philadelphia, New York, Baltimore, and Washington, D.C.

California Polytechnic State University

Assistant or Associate Professor – Cybersecurity

The Computer Science and Software Engineering Department at California Polytechnic State University, San Luis Obispo, invites applications for a full-time, tenure-track Computer Science faculty positions at the Assistant or Associate Professor rank beginning Fall Quarter 2020. Rank and salary are commensurate with qualifications and experience. Qualified candidates with industry experience are encouraged to apply.

The College of Engineering at Cal Poly is committed to building a diverse faculty of teacher-scholars who collaborate to provide a multi-disciplinary and hands-on approach to student learning and applied research. We believe that individuals from diverse backgrounds strengthen our programs and positively impact student success. We encourage qualified applicants from all backgrounds to apply for consideration. Duties include teaching undergraduate and master's level courses, enriching the curricula with new courses in computer security, conducting research, and providing service to the department, the university, and the community. Particular areas of interest include: software security, malware analysis, reverse engineering, mobile security and web security. Cal Poly emphasizes Learn by Doing which involves extensive lab work and projects in support of theoretical knowledge. To this end, the Computer Science and Software Engineering Department maintains an

array of modern computing facilities and specialized labs for instructional and faculty support. In particular, Cal Poly supports two cutting-edge laboratories dedicated to teaching and conducting research in computer security. In addition, a university-wide Center for Cybersecurity has been established for the continued development of the university's capabilities in cybersecurity research and education. A new cybersecurity training facility to be located at Camp San Luis Obispo is in development, which operates under the auspices of the California National Guard. Cal Poly will serve as a partner in the upcoming facility, and collaborative efforts from computer science faculty will be desirable. At California Polytechnic State University, San Luis Obispo, we believe that cultivating an environment that embraces and promotes diversity is fundamental to the success of our students, our employees and our community. Bringing people together from different backgrounds, experiences and value systems fosters the innovative and creative thinking that exemplifies Cal Poly's values of free inquiry, cultural and intellectual diversity, mutual respect, civic engagement, and social and environmental responsibility.

Please apply for this position here:

jobs.calpoly.edu

Cal Poly's commitment to diversity informs our efforts in recruitment, hiring and retention. California Polytechnic State University is an affirmative action/equal opportunity employer.

California State University Northridge

Assistant Professor - Department of Computer Science

California State University Northridge, Department of Computer Science invites applications for three tenure-track Assistant Professor positions. Applicants must have an earned doctoral degree in Computer Science or a closely related field. Qualifications: Ability to teach a broad range of courses in the areas of computer science and information technology are necessary and specialization in Cybersecurity, Computer Graphics, Systems, Computational Data Science, Cloud Computing, or Software Engineering is desired. Excellent candidates with specialization in other areas will be considered. Applicants must demonstrate a commitment to work with a diverse student population.

California State University, Northridge, one of the largest of the 23 campuses of The California State University system, is located twenty-five miles northwest of central Los Angeles in the San Fernando Valley, a suburb with a multi-cultural population of over one million people. CSUN is an EEO/AA employer.

Priority will be given to applications received by November 1, 2019.

Further details:

<http://www.csun.edu/engineering-computer-science/computer-science/faculty-openings>

Caltech

Teaching Assistant Professor of Computing and Mathematical Sciences

The Department of Computing and Mathematical Sciences (CMS) at the California Institute of Technology invites applications for the position of Teaching Assistant Professor of Computing and Mathematical Sciences. This is a non-tenure-track teaching position, with full-time teaching responsibilities (typically, no more than two courses per term). The start date for the position is September 1, 2020, and the initial term of appointment can be up to three years.

The candidate will teach introductory computer science courses including CS 1, and engage in undergraduate academic advising. In addition, the ability to teach intermediate-level undergraduate systems courses in areas such as Operating Systems, Databases, and Distributed Systems is desired. The candidate may also assist in other aspects of the undergraduate program, including curriculum development and supervising research projects. The candidate must have a demonstrated commitment to excellence in teaching Computer Science to undergraduates. An advanced degree in Computer Science or a related field is desired but not required.

The CMS department at Caltech provides a unique environment for innovative and interdisciplinary research and teaching to be conducted in a collegial atmosphere. Teaching faculty in CMS are full members of the department on instructional matters,

and may also participate in ongoing research projects in the department.

Applications will be accepted on an ongoing basis until the position is filled, but those received before December 1, 2019, will receive the fullest consideration.

Please view the application instructions and apply on-line at <https://applications.caltech.edu/job/cmslect>

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, or national origin, disability status, protected veteran status, or any other characteristic protected by law. Caltech is a VEVRAA Federal Contractor. Click [here](#) to read more about Equal Employment Opportunity (EEO).

Caltech is committed to working with and providing access and reasonable accommodations to applicants with physical or mental disabilities. To request disability accommodations for any part of the interview or hiring process, please contact 626-395-4560 for assistance or contact search@cms.caltech.edu.

Carleton College

Assistant Professor, Tenure-Track

Carleton College invites applications for a tenure-track position in computer science, beginning September 1, 2020. A Ph.D. in hand or its imminent completion by the start date is required. We expect

Professional Opportunities

to make appointments at the assistant professor level, but highly qualified candidates at any rank will be considered. We are interested in candidates with any specialization in computer science that will complement the existing strengths of the department. We are particularly interested in candidates committed to teaching a diverse student body.

Carleton is a highly selective liberal arts college with outstanding, enthusiastic students. We seek an equally enthusiastic computer scientist committed to excellence in teaching, curriculum design, ongoing research, and undergraduate research advising. We are particularly interested in applicants who have a commitment to attracting and retaining students from underrepresented groups. The appointee would be expected to teach courses at a range of levels, from the introductory level to advanced undergraduate electives.

Carleton's Department of Computer Science (cs.carleton.edu) includes nine faculty and an experienced full-time system administrator, and typically graduates between 60 and 70 majors annually. Carleton is a liberal arts college with a student body of approximately 2,000. Located in the thriving two-college town of Northfield, Minnesota, it is forty-five miles from the Twin Cities of Minneapolis and St. Paul, in easy reach of a vibrant metropolitan area that is home to three million people and rich cultural resources.

To apply, please visit the Carleton College website at jobs.carleton.edu and complete the online application, including a cover letter, CV, a graduate transcript, and contact information for writers of three letters of reference (at least one of which should address your teaching), a statement about teaching in an undergraduate liberal arts environment and how you would contribute to a college community that embraces a diversity of people and perspectives as one of its core values, and a statement about research and other scholarly activity in an undergraduate liberal arts environment. Questions about the position or the application process may be directed to csjobs@carleton.edu. Applications completed by Friday, November 1, 2019, including reference letters, will receive full consideration.

Carleton College does not discriminate on the basis of race, color, creed, ethnicity, religion, sex, national origin, marital status, veteran status, actual or perceived sexual orientation, gender identity or expression, status with regard to public assistance, disability, or age in providing employment or access to its educational facilities and activities. We are committed to developing our faculty to better reflect the diversity of our student body and American society. Women and members of minority groups are strongly encouraged to apply.

Carnegie Mellon University

School of Computer Science - Faculty Hiring

The School of Computer Science consists of seven departments, spanning a wide range of topics in computer science and the application of computers to real-world systems. Faculty positions are specific to each department, though in certain cases, joint positions are also possible.

We are seeking tenure, research, and systems track faculty candidates with a strong interest in research, an earned Ph.D., and outstanding academic credentials. Candidates for tenure track appointments should also have a strong interest in graduate and undergraduate education.

We are also seeking teaching track faculty candidates. You should have a Ph.D. in Computer Science or a related computing discipline, a background of demonstrated excellence and dedication to teaching, the ability to collaborate with other faculty in a fast-paced environment, and must be prepared to teach in a wide variety of settings, including large undergraduate lecture courses and classes delivered in non-traditional formats.

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

Professional Opportunities

We will begin accepting applications beginning September 3, 2019. To ensure full consideration of your application, please submit all materials no later than December 10, 2019. In your cover letter, please indicate clearly the department(s) you are applying to. You can learn more about our hiring plans and application instructions by visiting <http://www.cs.cmu.edu/employment-scs>.

For more information about the hiring priorities in a particular department, please visit a department site below:
Computational Biology Department:
<http://www.cbd.cmu.edu/tenure-track-faculty-positions/>

Computer Science Department:
<https://www.csd.cs.cmu.edu/careers/faculty-hiring>

Human-Computer Interaction Institute:
<https://hcii.cmu.edu/careers/list>

Institute for Software Research:
<http://www.isri.cmu.edu/jobs/index.html>

Language Technologies Institute:
<http://lti.cs.cmu.edu/news/lti-hiring>

Machine Learning Department: http://www.ml.cmu.edu/Faculty_Hiring.html

Robotics Institute: <http://ri.cmu.edu/about/hiring-faculty-positions/>

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

Carnegie Mellon University shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination

against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

The Chinese University of Hong Kong, Shenzhen

Tenured/Tenure-track/ Teaching-track Positions

The Institute for Data and Decision Analytics (iDDA) at The Chinese University of Hong Kong, Shenzhen (CUHK-SZ), was established in March 2018, aiming at building a world-class interdisciplinary research and educational center for data science. Now iDDA is inviting extraordinarily qualified candidates to fill multiple tenured, tenure-track or teaching-track faculty positions at all academic ranks.

We seek applicants with outstanding methodological foundations in one or more of the following areas: Operations Research, Data Science, Machine Learning and Artificial Intelligence, Statistics, Management Science, and other closely related areas. We especially encourage individuals whose interests and backgrounds

are at the intersection of multiple areas to apply. Applicants should hold or expect to obtain a Ph.D. degree in a relevant field. The ability to teach effectively, at both the undergraduate and graduate levels to diverse groups of students, is required. Junior applicants must demonstrate a clear and high potential to enhance research and educational missions of iDDA. Senior applicants must have a well-established record of research and teaching accomplishments and have demonstrated scientific creativity and leadership with externally funded and highly visible research programs.

Interested individuals should apply online at <http://academicrecruit.cuhk.edu.cn/idda>. The application packages should include a cover letter, a curriculum vitae, a research statement and a teaching statement. In addition, applicants should provide names, titles, and emails of three references in the system. If you have any questions, please send an email to talent4idda@cuhk.edu.cn

The deadline for ensuring full consideration of applications is November 15, 2019. We will be attending INFORMS this year and in order to be considered for an interview at INFORMS, the applicant should submit his/her package by October 8, 2019.



Professional Opportunities



THE CITADEL
CYBER AND COMPUTER
SCIENCES

Tenure-Track Positions in the Department of Cyber and Computer Sciences

The Citadel, The Military College of South Carolina, Department of Cyber and Computer Sciences invites applications for one tenure-track faculty position at the Assistant Professor level and one tenure-track faculty position at the Assistant, Associate, or full Professor level, both beginning August 2020. Minimum qualifications include an earned Ph.D. in computer science, cybersecurity, or a closely-related field. In addition, applicants should be committed to excellence in teaching, research, and service, and they should exemplify The Citadel's core values of honor, duty, and respect. For these positions, preference will be given to those with a strong background in **cybersecurity, artificial intelligence** and/or **machine learning**. However, candidates from all areas of computer science are also encouraged to apply. Applicants in ABD (all-but-dissertation) status may be considered at the Assistant Professor level with the expectation that the Ph.D. will be completed by the start of the fall 2020 semester.

Located in beautiful Charleston, South Carolina, The Citadel is a fully accredited, public, comprehensive, co-educational college with a student body of 2,911 undergraduate and 873 graduate and professional. **Since 2016, The Citadel has been designated as a National Center of Academic Excellence in Cyber Defense Education by the National Security Agency and Department of Homeland Security.** The Citadel supports faculty scholarship through internally-funded research, development, and travel. Salary and fringe benefits are competitive, and other benefits include convenient parking and access to The Citadel Beach House located on Isle of Palms.

The Department of Cyber and Computer Sciences has 6 full-time faculty positions plus several adjunct faculty. The department offers several programs: the B.S. in Computer Science (accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>); the B.S. in Cyber Operations (starting fall 2020); the M.S. in Computer and Information Sciences (jointly with the College of Charleston); graduate certificates in cybersecurity, information systems, and software engineering; and undergraduate minors in computer programming, management information systems, cybersecurity, and cyber interdisciplinary studies. 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 submit a letter of application, curriculum vitae, copies of graduate transcripts, a statement of teaching philosophy, a statement of research plans, and three letters of recommendation, with at least one that addresses applicant's teaching. Full consideration will be given to applications received by November 1, 2019. Applications will be processed after this date until both positions are filled.

All application materials should be submitted online at The Citadel Careers web site, <http://careers.pageuppeople.com/743/cw/en-us/job/495790/assistantassociateprofessor-in-cyber-and-computer-sciences>. If you have any questions or concerns while applying at the Citadel Careers web site, please call The Citadel's Human Resources Office at 843-953-6922. Questions about the position may be directed to Dr. Michael Verdicchio, Computer Science Faculty Search Committee, Department of Cyber and Computer Sciences, The Citadel, 171 Moultrie Street, Charleston, SC 29409, phone: 843-953-6987, or by email: mv@citadel.edu.

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

citadel.edu/ccs

Professional Opportunities

Clarkson University Computer Science Department

Assistant Professor of Computer Science

Clarkson University is the nationally ranked research institution of choice for more than 3,400 enterprising, high-ability undergraduate and graduate students who launch remarkably successful careers.

The Department of Computer Science at Clarkson University (www.clarkson.edu/cs) invites applications for a tenure-track position in computer science at the rank of Assistant Professor starting in January 2020. We will consider applicants in all areas but have a special interest in candidates with research expertise in systems, security, machine learning and robotics. Responsibilities include teaching undergraduate and graduate-level courses and directing graduate students.

Minimum qualifications include a PhD in Computer Science by the date of appointment, fluency in English, demonstrated excellence in teaching and research. Review of applications will begin immediately. To submit your application, go to www.clarkson.edu/hr and click "Career Opportunities" on the left-hand navigation bar. For best consideration, applications should be submitted by October 15, 2019.

An equal opportunity/affirmative action employer, Clarkson actively seeks and encourages applications from minorities, women and people with disabilities.

All offers of employment are subject to the applicant successfully passing

a background check (including, but not limited to, employment verification, educational and other credential verification, and criminal records).

The College of New Jersey

Tenure-Track Faculty Position in Computer Science (Assistant or Associate Professor)

The Department of Computer Science at The College of New Jersey (TCNJ) invites outstanding applications for a tenure-track Assistant or Associate Professor faculty position in computer science, to join our community starting August 2020.

Candidates must have a Ph.D. in Computer Science, or a closely related field (ABDs will be considered if the degree will be completed prior to the start date); demonstrated excellence in teaching; and a strong commitment to the education of, and research with, undergraduates.

The Computer Science program is ABET CAC-accredited, offers state-of-the-art laboratories and equipment including a high-performance computing cluster, and is housed in TCNJ's new STEM building. TCNJ has a strong commitment to inclusive excellence in our community and to supporting a healthy work-life balance for our faculty of teacher-scholars. TCNJ has been recognized by The Chronicle of Higher Education on its honor roll of "Great Colleges to Work For."

For more details and to apply please see <https://chm.tbe.taleo.net/chm03/ats/careers/v2/viewRequisition?org=TCNJ&cws=37&rid=1014>.

Final offer of employment will be contingent upon successful completion of a background investigation.

To enrich education through diversity, TCNJ is an Equal Opportunity Employer. TCNJ has a strong commitment to inclusive excellence and has a strong commitment to achieving diversity among faculty and staff. We strongly encourage applications from diverse, intersectional populations and cultures including, but not limited to, identities based on race, gender, gender expression, sexual orientation, disability, national origin, and veteran status.

Colorado School of Mines

Faculty Positions Available -Department of Computer Science

Do you like blue sky and sunshine? What about mountains and outdoor activity? Or maybe you enjoy working with students who are extremely engaged and talented? Join the Department of Computer Science at Colorado School of Mines (CS@Mines) and have it all! CS@Mines invites applications for both tenured/tenure track and teaching faculty!

T/TT Faculty: CS@Mines has multiple tenured/tenure-track faculty positions available (open rank). Research specializations of interest include artificial intelligence/machine learning, human-computer interaction, cybersecurity, data management, and quantum computing. For more information: <https://jobs.mines.edu/cw/en-us/job/493960/computer-science-open-rank-tenuretenuretrack-faculty>

Professional Opportunities

Teaching Faculty: CS@Mines has multiple teaching faculty positions available (open rank). Each successful candidate must be able to teach a variety of computer science core and elective courses. Candidates should also plan to support departmental recruiting efforts, coordinate multi-section courses, and participate in curriculum innovations and improvements. For more information: <https://jobs.mines.edu/cw/en-us/job/493959/computer-science-teaching-faculty-and-professors-of-practice>

Mines: Colorado School of Mines is located in picturesque Golden, in the foothills of the Rockies, 13 miles west of Denver and 21 miles south of Boulder. More information about the CS Department can be found at <http://cs.mines.edu>.

Evaluation of applicants will be reviewed on an on-going basis and continue until the positions are filled.

Colorado State University

Assistant or Associate Professor in Computer Science - Data Science, NLP

The Department of Computer Science at Colorado State University (CSU) invites applications for a tenure-track position at the level of assistant or associate professor beginning in fall 2020. A Ph.D. in computer science or related area is required. Applicants with expertise in data science, artificial intelligence, and natural language processing are preferred.

For full consideration, applications must be submitted by November 4, 2019.

For a complete position announcement including minimum qualifications and application instructions, please see <http://jobs.colostate.edu/postings/71638>.

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

Columbia University

Lecturer in Discipline - Computer Science

The Department of Computer Science at Columbia University in the City of New York invites applications for faculty at the rank of Lecturer in Discipline beginning in the 2019- 20 academic year. Lecturers in Discipline are full-time non-tenure-track faculty members whose primary responsibility is teaching. Lecturers in the department enjoy voting rights at faculty meetings, serve on department committees, and earn a Dean's Leave sabbatical on a timeline similar to that of tenure-track faculty. The Department of Computer Science is committed to hiring outstanding teachers to support the growing needs of its exceptionally strong undergraduate and graduate programs. Teaching responsibilities for lecturers include courses throughout the computer science curriculum, from introductory to graduate level courses, with a typical teaching load of two courses per semester.

Applications should be submitted electronically at: <http://pa334.peopleadmin.com/postings/4360> and include the

following: a cover letter, current CV, teaching statement, brief summary of research, and three letters of recommendation. At least two of the letters of recommendation must address teaching ability. Review of applications will begin on November 11, 2019 and continue until the positions are filled. Candidates must have a PhD or its professional equivalent by the starting date of the appointment.

Columbia University is an Equal Opportunity/Affirmative Action employer – Disability/Veteran

Columbia University

Lecturer in Discipline - Data Science

The Department of Computer Science at Columbia University in the City of New York invites applications for faculty at the rank of Lecturer in Discipline beginning in the 2019-20 or 2020-21 academic year. Lecturers in Discipline are full-time non-tenure-track faculty members whose primary responsibility is teaching. Lecturers in the department enjoy voting rights at faculty meetings, serve on department committees, and earn a Dean's Leave sabbatical on a timeline similar to that of tenure-track faculty. The Department of Computer Science is committed to hiring outstanding teachers to support the growing needs of its exceptionally strong undergraduate and graduate programs. Teaching responsibilities for lecturers include courses throughout the computer science curriculum, from introductory to graduate level courses, with a typical teaching load of two courses per semester.

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This particular opportunity is to hire a lecturer with a broad expertise in computer and data systems, with some of the focus on our engineering and applied science degree programs related to data science. Priority for candidates with experience teaching courses such as database systems (data models, relational algebra, SQL, query execution), distributed systems (distributed programming models, failure remediation, consensus protocols), and/or operating systems. Ideal candidates should also have experience with scalable data processing and management systems as well as familiarity with fault tolerant system design. Industry and/or private sector experience is welcomed but not required.

Applications should be submitted electronically at: <http://pa334.peopleadmin.com/postings/4371> and include the following: a cover letter, current CV, teaching statement, brief summary of research, and three letters of recommendation. At least two of the letters of recommendation must address teaching ability. Reviews of applications will begin on November 11, 2019, and will continue until the positions are filled. Candidates must have a PhD or its professional equivalent by the starting date of the appointment. Part-time adjunct opportunities in this area of expertise may also be available.

Columbia University is an Equal Opportunity/Affirmative Action employer – Disability/Veteran

Columbia University

Columbia Quantum Initiative Open Rank Faculty Position

Columbia Engineering is pleased to invite applications for faculty positions in Quantum Science and Technology. Recruitment for these positions is part of a broad university-level Quantum Initiative that spans multiple schools and departments across Columbia University in the City of New York. Applications at all ranks will be considered.

Applications are sought in all areas of quantum science and technology covering both theoretical and experimental aspects. Particular emphasis is on areas within Computer Science, including novel computation and communication approaches, programming paradigms, algorithms, and protocols for quantum information applications. Additional areas of interest include novel physical phenomena, electronic/optical materials, devices, circuits and integrated systems for quantum communication, computing, sensing, and metrology.

We are seeking researchers who can benefit from the highly multidisciplinary environment and the state-of-the-art shared facilities/infrastructure within Columbia University such as the Columbia Nano Initiative and the Data Science Institute. The candidate is expected to hold a full or joint appointment in the Departments of Computer Science, Electrical Engineering, Applied Physics and Applied Mathematics, Industrial Engineering and Operations Research, or Mechanical Engineering and is expected to contribute

to the advancement of their field, the department(s) and the School by developing an original and leading externally funded research program, establishing strong collaborations in research and education with related disciplines such as Physics and Chemistry, and contributing to the undergraduate and graduate educational mission of the Department(s) and the School. Columbia fosters multidisciplinary research and encourages collaborations with academic departments and units across Columbia University.

Candidates must have a Ph.D. or its professional equivalent by the starting date of the appointment.

Applicants for this position must demonstrate the potential to do pioneering research and to teach effectively. The school is especially interested in qualified candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community.

For additional information and to apply, please see: <https://engineering.columbia.edu/faculty-job-opportunities>. Applications should be submitted electronically and include the following: curriculum-vitae including a publication list, a description of research accomplishments, a statement of research and teaching interests and plans, contact information for three experts who can provide letters of recommendation, and up to three pre/reprints of scholarly work.

Applications received by December 1, 2019, will receive full consideration. We will accept and review applications after this date.

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Applicants can consult <http://www.engineering.columbia.edu> for more information about the school and <http://quantum.columbia.edu> for more information about the Columbia Quantum Initiative.

If interested, please apply here: <https://pa334.peopleadmin.com/postings/4239>

Cornell University

2019-2020 Cornell Information Science Tenure-Track Faculty Search

The Cornell University Department of Information Science (IS) in the college of Computing and Information Science (CIS) has tenure track and tenured faculty positions available at its Ithaca, NY campus. Ithaca, NY is in the heart of the Finger Lakes region. Both Cornell and Ithaca offer a vibrant cultural life and a wide range of sporting and outdoor activities with the pleasures of both city and country close at hand.

Faculty hired in these positions will be members of the IS Department, which spans the Ithaca and New York City campuses; faculty hired in this year's search will have their teaching and research based in Ithaca. The Ithaca IS faculty are located in Cornell's Gates Hall and the department has strong connections with several other units on campus, including Computer Science (also in Gates), Communication, Economics, Sociology, Science and Technology Studies, Operations Research and Information Engineering, and Cognitive Science.

These connections support the IS Department's mission to advance

our understanding of how people and society interact with computing and information. Exceptional candidates in all areas related to the department's current research trajectories will be given serious consideration. These include information ethics, law, and policy; the sociology of organizations and innovation; the history and anthropology of computing and data; technology and equity; the interface of economics and information; digital humanities; computational social science; network science; data science, artificial intelligence, and their implications; information visualization; human-computer interaction (HCI) and user experience; ubiquitous computing and interactive systems; human-agent and human-robot interaction (HRI); computer-supported cooperative work (CSCW) and computer-mediated communication (CMC); social computing; and the intersection of behavioral science and computing. More information about the IS Department is available at <http://www.infosci.cornell.edu>.

Candidates must hold a Ph.D. or equivalent degree by August 2020. Assistant Professor candidates must demonstrate the potential to achieve excellence in research and teaching at both the graduate and undergraduate levels. More senior candidates must have an established record of outstanding research and excellent teaching at both the graduate and undergraduate levels; salary, rank, and tenure status will be commensurate with qualifications and experience. Cornell University also seeks to meet the needs of dual career couples, with both its own Dual Career program

and membership in the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

Candidates should submit a cover letter, curriculum vita (CV), and brief statements of research and teaching interests; the letter, CV, or research statement should identify a small set of their most significant pieces of work. Candidates should also submit a statement of diversity, equity, and inclusion. Diversity and inclusion are a part of Cornell University's heritage; we are a recognized employer and educator valuing AA/EEO, protected veterans, and individuals with disabilities. Fostering an inclusive environment is also a core value of IS and CIS; in line with Cornell's historical commitment to educating "...any person...in any study...", we seek candidates who will create a climate that helps attract and is inclusive of all students, including students from historically underrepresented groups and students who have overcome personal challenges. The statement of contribution to diversity, equity and inclusion is an opportunity for candidates to describe how their research, teaching, and/or service will contribute to a diverse, inclusive climate. See <https://facultydevelopment.cornell.edu/department-resources/recruitment/contribution-to-diversity/> for more on the university's commitment to diversity, inclusion, and equity, including suggestions for what we are looking for in such statements, as well as <https://cis.cornell.edu/diversity> for information about related CIS activities and resources.

The above application materials should be submitted online at <https://>

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academicjobsonline.org/ajojobs/14617, along with the names of at least three people who will provide reference letters. To ensure full consideration, applications should be received by November 1, 2019, but applications will be accepted until all positions are filled. Inquiries about your application may be directed to fac_recruit@infosci.cornell.edu.

Cornell University

2019-2020 Cornell Information Science Full-Time Teaching Faculty Search (Lecturer or Senior Lecturer Title), Ithaca Campus

The Cornell University Department of Information Science (IS) in the College of Computing and Information Science (CIS) invites applications for full-time, long-term Lecturer or Senior Lecturer positions at Cornell's Ithaca campus. Cornell University is located in Ithaca, New York, with a county population of about 100,000 people in the heart of the Finger Lakes region. Both Cornell and Ithaca offer a wide range of cultural activities, sports, and outdoor activities with the pleasures of both city and country close at hand.

IS is located in Cornell's Gates Hall and has strong connections with several other units on campus, including Computer Science, Communication, Economics, Sociology, Science and Technology Studies, Operations Research and Information Engineering, and Cognitive Science. These connections support the IS Department's mission to advance our understanding of how people and society interact with computing and information.

Teaching faculty hired in these positions will be full-time members of the IS Department; a typical full-time (100%) load for a Lecturer in IS is two courses per semester. Based on candidate qualifications and experience, the initial appointment will be either a three year (Lecturer) or five year (Senior Lecturer) appointment. This is a non-tenure track position, but it is a professional teaching career track with the potential for growth, the expectation of renewal, and eventual promotion for Lecturers. The department offers a competitive salary and benefits package, with lecturers playing a full and active part in departmental life from curriculum design and innovation to participation in wider faculty governance and decision-making. Cornell University also seeks to meet the needs of dual-career couples, with both its own Dual Career program and membership in the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

We are seeking candidates who will contribute to a mix of larger lower- and smaller upper-level undergraduate and masters courses in one or more of the wide range of topics covered by IS. These include information ethics, law, and policy; the sociology of organizations and innovation; the history and anthropology of computing and data; technology and equity; the interface of economics and information; digital humanities; computational social science; network science; data science, artificial intelligence, and their implications; information visualization; human-computer interaction (HCI) and user experience; ubiquitous computing and interactive systems; human-agent and human-robot

interaction (HRI); computer-supported cooperative work (CSCW) and computer-mediated communication (CMC); social computing; and the intersection of behavioral science and computing. More information about the breadth of courses in the department is available at <https://infosci.cornell.edu/courses/list-info-sci-courses>; candidates are also encouraged to look at the curricula for the Ithaca campus undergraduate (<https://infosci.cornell.edu/undergraduate>) and Masters of Professional Studies (<https://infosci.cornell.edu/masters/mps>) degrees.

Candidates must hold a Ph.D. or equivalent degree by August 2020 and have demonstrated a commitment to teaching excellence and innovation. They should submit a cover letter, curriculum vitae (CV), and a teaching statement that speaks to experience and evidence of past teaching ability, skills and strengths, and aspects of the department's courses and curricula they see as especially attractive. Candidates should also submit a statement of diversity, equity, and inclusion. Diversity and inclusion are a part of Cornell University's heritage; we are a recognized employer and educator valuing AA/EEO, protected veterans, and individuals with disabilities. Fostering an inclusive environment is also a core value of IS and CIS; in line with Cornell's historical commitment to educating "...any person...in any study...", we seek candidates who will create a climate that helps attract and is inclusive of all students, including students from historically underrepresented groups and students who have overcome personal challenges. The statement of contribution to diversity, equity and inclusion is an

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opportunity for candidates to describe how their research, teaching, and/or service will contribute to a diverse, inclusive climate. See <https://facultydevelopment.cornell.edu/departments-resources/recruitment/contribution-to-diversity/> for more on the university's commitment to diversity, inclusion, and equity, including suggestions for what we are looking for in such statements, as well as <https://cis.cornell.edu/diversity> for information about related CIS activities and resources.

The above application materials should be submitted online at <https://academicjobsonline.org/ajol/jobs/14618>, along with the names of at least three people who will provide reference letters that speak to the candidate's teaching skills. To ensure full consideration, applications should be received by October 15, 2019, but applications will be accepted until positions are filled. Inquiries about your application may be directed to fac_recruit@infosci.cornell.edu.

Cornell University

Full-Time Lecturer Opportunity

The Cornell University Department of Computer Science invites applications for multiple full-time and long-term Lecturer positions at Cornell's Ithaca campus. Cornell University is located in Ithaca, New York, with a county population of about 100,000 people in the heart of the Finger Lakes region. Both Cornell and Ithaca offer a wide range of cultural activities, sports, and outdoor activities with the pleasures of both city and country close at hand.

This non-tenure track faculty position offers a professional teaching career track with possibility for growth. Appointments are typically three year (Lecturer) or five year (Senior Lecturer) with the expectation of renewal, based on candidate's qualifications and experience. Candidates for the position should hold a PhD in any computing-related field and have demonstrated commitment to teaching excellence and innovation. We are seeking candidates who can contribute to large lower- and upper-level undergraduate and master's level courses across a range of computer science subfields.

A typical full-time (100%) effort load for a Lecturer in Computer Science is two courses per semester, as well as collaborative engagement in the further development of Cornell's educational mission. The department offers a competitive salary and benefits package, and lecturers play a full and active part in departmental life, from curriculum design and innovation to participation in wider faculty governance and decision-making.

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

potential contributions to diversity and inclusion. See <http://facultydevelopment.cornell.edu/information-for-faculty-candidates/> for the university's commitment to diversity, inclusion and equity, including suggestions for what we are looking for in such statements, and see <https://cis.cornell.edu/diversity> for some CIS activities in this area.

Interested applicants should submit a cover letter, curriculum vitae, a diversity statement, a teaching statement speaking to experience, skills, distinct strengths, and evidence of past teaching success and ability, and make arrangements for three letters of reference speaking to the candidates teaching skills and abilities to be submitted electronically.

Application materials should be submitted at: <https://academicjobsonline.org/ajol/jobs/14622>

Evaluation of applicants will begin October 15, 2019 and continue until the positions are filled.

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

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

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.

Cornell University

Tenured and Tenure-track Faculty

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

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

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

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

To ensure full consideration, applications should be received by December 1, 2019, but will be accepted until all positions are filled.

Fostering an inclusive environment is a core value of the Computer Science Department and Cornell as a whole. In line with Cornell's historical commitment to educating " ... *any person ... in any study...*", we seek candidates who will create a climate that helps attract and is inclusive of all students, including students from historically underrepresented groups, and students who have overcome personal challenges. Applicants are asked to submit a Statement of Contribution to Diversity, Equity and Inclusion to describe their potential contributions to diversity and inclusion. See <http://facultydevelopment.cornell.edu/information-for-faculty-candidates/> for the university's commitment to diversity, inclusion and equity, including suggestions for what we are looking for in such statements, and see <https://cis.cornell.edu/diversity> for some CIS activities in this area.

Applicants should submit a curriculum vitae, a *diversity statement*, and brief statements of research and teaching interests, identify one or two top publications to which they have made significant contributions, and arrange to have at least three reference letters submitted at: <https://academicjobsonline.org/ajo/jobs/14625>.

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

We strongly encourage women and underrepresented minorities to apply. Cornell University seeks to meet the needs of dual career couples, has a Dual

Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual career searches.

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.

Dartmouth College

Assistant Professor of Computer Science

The Dartmouth College Department of Computer Science invites applications for a tenure-track faculty position at the level of assistant professor (exceptional candidates at other ranks will be considered). We seek candidates who will be excellent researchers and teachers in the broad area of cybersecurity. Applicants should hold a Ph.D. in Computer Science or related field by the date of the start of their appointment. We particularly seek candidates who will help lead, initiate, and participate in collaborative research projects within Computer Science and beyond, including Dartmouth researchers from other Arts & Sciences departments, Geisel School of Medicine, Thayer School of Engineering, and Tuck School of Business.

For more information and to apply: <https://apply.interfolio.com/67331>

Professional Opportunities

Dartmouth College

Assistant or Associate Professor of Computer Science

The Dartmouth College Department of Computer Science invites applications for three tenure-track faculty positions at the level of assistant or associate professor. We seek candidates who will be excellent researchers and teachers in any of the following three areas: (1) Machine Learning, (2) Algorithms, and (3) Computation for Physical Systems. (Examples of computation for physical systems include sensors, cyber-physical systems, graphics and computational design, robotics, and vision.) We particularly seek candidates who will help lead, initiate, and participate in collaborative research projects within Computer Science and beyond, including Dartmouth researchers from other Arts & Sciences departments, Thayer School of Engineering, Geisel School of Medicine, and Tuck School of Business.

For more information and to apply: <https://apply.interfolio.com/68596>

Dartmouth College

Neukom Fellows: Call for Applications

The Neukom Institute for Computational Science at Dartmouth College is pleased to announce the Neukom Postdoctoral Fellows competition for positions starting September 1, 2020.

Neukom Fellows are interdisciplinary positions for recent Ph.D.s, DMAs, or MFAs whose research interests or practice cuts

across traditional disciplinary boundaries, and has some computational component, whether it be a framing concept for intellectual exploration or an explicit part of the work that is pursued. The successful candidate should have a history of collaborative work across disciplines, but still show evidence of independence and initiative. The Fellowships are two year appointments and, other than standard research trips, Neukom Fellows are expected to be in residence. Early departure means early cut-off of support. Neukom Fellows will be mentored by faculty in two departments at Dartmouth College, take up residence in one department, and will teach one seminar course each year on a subject of their interest. Beyond that there are no additional duties. Neukom Fellow stipends are \$60,000 for 2020-2021. Additional funds are available for equipment, travel, and research materials.

Applications must be submitted here: <https://academicjobsonline.org/ajol/jobs/14413>

Davidson College

Assistant Professor Computer Science

The Department of Mathematics and Computer Science at Davidson College invites applications for a tenure-track appointment in Computer Science at the rank of Assistant Professor, beginning July 1, 2020. Candidates must possess a Ph.D. in Computer Science or a closely related field by Fall 2020. We seek a faculty member with broad teaching and research interests who will support,

enhance and expand the computer science curriculum at all levels, and who can collaborate with colleagues and students across disciplinary lines in a liberal arts environment.

Applications must be submitted online at <http://employment.davidson.edu>. Applications completed by October 10, 2019, will receive full consideration.

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

Duke University

Professor of the Practice Positions in Computer Science

The Department of Computer Science at Duke University in Durham, North Carolina, invites applications and nominations for a Professor of the Practice position starting in July 2020. The appointment will be made at the Assistant/Associate/Full Professor of the Practice rank depending on the candidate's experience. Duke has a long history of supporting faculty with practice-of titles who are educators, practitioners, and scholars, and the Computer Science Department has set high standards in providing a teaching

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and work environment in which practice-of faculty thrive.

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

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

Duke is committed to further enhancing the diversity of its faculty and students. We seek faculty members who are also committed to building a diverse and inclusive community, which fosters excellence in research and teaching. We strongly encourage applications from women and underrepresented minorities

in computing. Please see www.cs.duke.edu and www.faculty.duke.edu for information about the Department and advantages that Duke offers to faculty.

Candidates should submit, via online application to Academic Jobs Online at <https://academicjobsonline.org/ajo/jobs/14706>:

1. a short cover letter describing their background and interests in teaching undergraduates at Duke University,
2. a curriculum vita,
3. a statement regarding teaching philosophy and experience, including evidence of commitment to promoting inclusion and diversity as well as teaching evaluations or other evidence of teaching effectiveness,
4. a statement of scholarly activities (which may include research on pedagogical focus), and
5. letters from at least three referees who can comment on the candidate's pedagogical skills, among other attributes.

For full consideration, applications and references should be received by December 15, 2019.

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

Duke University is an Affirmative Action/ Equal Opportunity Employer committed to

providing employment opportunity without regard to an individual's age, color, disability, genetic information, gender, gender expression, gender identity, national origin, race, religion, sex, sexual orientation, or veteran status.

Duke University

Tenure-Track Faculty Positions in Computer Science

The Department of Computer Science at Duke University in Durham, North Carolina, invites applications and nominations for three tenure-track or tenured faculty positions and one additional joint position between Computer Science and another department. The areas of particular interest are

- Artificial Intelligence and Machine Learning
- Computer Systems (broadly defined) and Security

Positions are available at all ranks and to begin July 2020.

Candidates are expected to have a doctoral degree in computer science or a related field. A successful candidate must have a solid disciplinary foundation and demonstrate the promise of outstanding scholarship in every regard, including research and teaching.

Duke is committed to further enhancing the diversity of its faculty and students. We seek faculty members who are also committed to building a diverse and inclusive community, which fosters excellence in research and teaching. We strongly encourage applications from women and underrepresented minorities



The Department of Computer Science at Emory University invites applications for **Multiple Tenure-Track Faculty Positions** from candidates with exceptional research and teaching records. Openings are at the *Assistant* or *Associate Professor* levels, but truly eminent scholars at all ranks will be considered. Applicants must have a PhD in Computer Science or a closely related field.

Successful candidates will join the vibrant Emory CS department and enhance our current strengths in: *Intelligent Systems* (artificial intelligence, machine learning, natural language processing, information retrieval, text and data mining, human-computer interaction, and their applications); and *Data Centric Computing* (systems design, big data analytics, high-performance computing, storage systems, data privacy and security). We also seek new expertise in Quantum Computing, Extreme Scale Systems, and fields that strengthen connections to ongoing Emory scholarship, particularly in the Health or Medical Sciences.

We especially welcome inquiries from leading scholars interested in establishing a faculty cluster at Emory to complement our research and educational strengths, and enhance diversity.

Emory CS is a dynamic, close-knit department with high research activity in several areas, and a stellar faculty that is passionate about scholarship, teaching, and societal impact. The department is committed to transforming the world through computing, prides itself on a family-friendly and supportive dual-career environment, and engages deeply with industry, alumni, and community.

Emory University is a highly ranked private institution engaged in outstanding research and education. A remarkably collegial spirit prevails across departments and schools, making the university a leader in collaborative interdisciplinary endeavors while advancing knowledge in fundamental and applied domains. Emory is highly ranked among America's *Best Employers for Women* and *Best Employers for Diversity*, and fosters a culture of inclusivity and cooperation. The campus is an integral part of the energetic Atlanta, GA metropolitan area, offering a variety of cultural, social, and recreational opportunities, a mild climate, and unmatched accessibility.

Applications specifying one or more of the above areas and comprising a CV, research and teaching statements, and three letters of recommendation directly from recommenders, should be submitted via Interfolio <https://apply.interfolio.com/66304>. In a separate statement, please also outline your interests in broadening participation and increasing diversity in computing.

Informal inquiries are welcome via email to cssearch2019@emory.edu. Review is ongoing; applications received by December 1, 2019, will receive full consideration.

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

in computing. Please see www.cs.duke.edu and www.faculty.duke.edu for information about the Department and advantages that Duke offers to faculty.

Applicants should submit their materials (cover letter, curriculum vita, research statement, teaching statement, contacts for at least three references) electronically

through AcademicJobsOnline: <https://academicjobsonline.org/ajob/jobs/14705>, and solicit letters of reference. For full consideration, applications and references should be received by December 15, 2019.

Durham, Chapel Hill, and the Research Triangle of North Carolina are frequently ranked among the best places in the

country to live and work. Duke and the many other universities in the area offer a wealth of education and employment opportunities for spouses, partners, and families.

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

ETH Zurich

Assistant Professors (Tenure Track) of Computer Science (Data Science)

The Department of Computer Science (www.inf.ethz.ch) at ETH Zurich invites applications for assistant professorships (tenure track) with focus on the following broad areas within computer science. For each area, several possible examples (not exhaustive) of expertise are provided.

- **Data Science / Machine Learning** (deep learning, optimization for machine learning, theory of deep learning, trustworthy learning systems, reinforcement learning)
- **Data Science / Data Management** (databases, data management, data cleaning, data wrangling, distributed data processing, formal aspects of data management, database systems, streaming, hardware acceleration for data processing)

Please apply for only one of the above areas as all applications will be jointly reviewed.

Professional Opportunities

Applicants should be strongly rooted in computer science, have internationally recognized expertise in their field and pursue research at the forefront of computer science. Successful candidates should establish and lead a strong research programme. They will be expected to supervise doctoral students and teach both undergraduate and graduate-level courses (in German or in English). Collaboration in research and teaching is expected both within the department and with other groups of ETH Zurich and related institutions.

Assistant professorships have been established to promote the careers of younger scientists. ETH Zurich implements a tenure track system equivalent to other top international universities.

Please apply online:

www.facultyaffairs.ethz.ch

Applications should include a curriculum vitae, a list of publications with the three most important ones marked, a statement of future research and teaching interests, the names of three references, and a description of the three most important achievements. The letter of application should be addressed **to the President of ETH Zurich, Prof. Dr. Joël Mesot. The closing date for applications is 30 November 2019.**

ETH Zurich is an equal opportunity and family-friendly employer strives to increase the number of women professors and is responsive to the needs of dual-career couples.

ETH Zurich

Assistant Professors (Tenure Track) of Computer Science – Security, Software Engineering, and Programming Languages

The Department of Computer Science (www.inf.ethz.ch) at ETH Zurich invites applications for assistant professorships (tenure track) in computer science with focus on different aspects of Cyber Security, Software Engineering, and Programming Languages.

- **Privacy**
- **Programming Languages/ Software Engineering**
- **Security of IT Infrastructure**
- **Software Security**
- **Trustworthy Software**
- **Education Technology (e.g. assignment generation, feedback and grading for programming and math assignments)**

Please apply for only one of the above areas as all applications will be jointly reviewed.

Applicants should be strongly rooted in computer science, have internationally recognized expertise in their field and pursue research at the forefront of computer science. Successful candidates should establish and lead a strong research program. They will be expected to supervise doctoral students and teach both undergraduate and graduate level courses (in German or in English). Collaboration in research and teaching

is expected both within the department and with other groups of ETH Zurich and related institutions.

Assistant professorships have been established to promote the careers of younger scientists. ETH Zurich implements a tenure track system equivalent to other top international universities.

Please apply online:

www.facultyaffairs.ethz.ch

Applications should include a curriculum vitae, a list of publications with the three most important ones marked, a statement of future research and teaching interests, the names of three references, and a description of the three most important achievements. The letter of application should be addressed **to the President of ETH Zurich, Prof. Dr. Joël Mesot. The closing date for applications is 30 November 2019.** ETH Zurich is an equal opportunity and family friendly employer, strives to increase the number of women professors, and is responsive to the needs of dual career couples.

Fairfield University

Tenure Track Assistant Professor of Computer Science

Department of Computer Science and Engineering in the School of Engineering at Fairfield University in Fairfield, CT invites applications for a tenure-track assistant professor in Computer Science and Engineering. Preference will be given to candidates with expertise in the general area of Cyber and/or Network

Professional Opportunities

Security. However, excellent candidates from all areas of Computer Science and Engineering will be considered.

For the full position description and application instructions visit https://ffd.wd1.myworkdayjobs.com/en-US/EmploymentOpportunities/job/Fairfield-CT/Tenure-Track-Assistant-Professor-of-Computer-Science_JR0000556

Florida International University

Open-Rank Tenure Track/Tenured Positions 519661 - Computing and Information Science

Florida International University is classified by Carnegie as a "R1: Doctoral Universities - Highest Research Activity" and recognized as a Carnegie Community Engaged university. It is a public research university with colleges and schools that offers bachelor's, master's and doctoral programs in fields such as business, engineering, computer science, international relations, architecture, law and medicine. As one of South Florida's anchor institutions, FIU contributes almost \$9 billion each year to the local economy and is ranked second in Florida in Forbes Magazine's "America's Best Employers" list. FIU graduates are consistently among the highest paid college graduates in Florida and are among the leaders of public and private organizations throughout South Florida. FIU is Worlds Ahead in finding solutions to the most challenging problems of our time. FIU emphasizes research as a major

component of its mission with multiple state-of-the-art research facilities including the Wall of Wind Research and Testing Facility, FIU's Medina Aquarius Program and the Advanced Materials Engineering Research Institute. FIU has awarded more than 220,000 degrees and enrolls more than 54,000 students in two campuses and centers including FIU Downtown on Brickell, FIU@I-75, the Miami Beach Urban Studios, and Tianjin, China. FIU also supports artistic and cultural engagement through its three museums: Patricia & Phillip Frost Art Museum, the Wolfsonian-FIU, and the Jewish Museum of Florida-FIU. FIU is a member of Conference USA and more than 400 student-athletes participating in 18 sports. For more information about FIU, visit <http://www.fiu.edu/>.

Open-Rank Tenure Track/Tenured Positions 519661 - Computing and Information Sciences (SCIS)

FIU's School of Computing and Information Sciences (SCIS) is a rapidly growing program of excellence at Florida International University (FIU). The School has 30 tenure-track faculty members and over 3,000 students, including over 90 Ph.D. students. The School is engaged in on-going and exciting new and expanding programs for research, education and outreach. The School offers B.S., M.S., and Ph.D. degrees in Computer Science, and M.S. degrees in Telecommunications and Networking, Cyber-security, Data Science, and Information Technology as well as B.S./B.A. degrees in Information Technology. NSF ranks FIU

39th nationwide in externally-funded research expenditures. SCIS has six research centers/clusters with first-class computing and support infrastructure, and enjoys broad and dynamic industry and international partnerships.

The School of Computing and Information Sciences invites applications from exceptionally qualified faculty at all levels with particular emphasis in cybersecurity, data science, AI, and machine learning. Ideal candidates for junior positions should have a record of exceptional research in their early careers and a demonstrated ability to pursue and lead a research program. Candidates for senior positions must have an active and sustainable record of excellence in funded research, publications and professional service as well as demonstrated leadership in collaborative or interdisciplinary research. In addition to developing or expanding a high-quality research program, all successful applicants must be committed to excellence in teaching at both the graduate and undergraduate levels.

Applications are encouraged from candidates with highly transformative research programs and seminal ideas that extend the frontiers of computing and networking across other disciplines. A Ph.D. in Computer Science or related disciplines is required.

Qualified candidates for Open-Rank Tenure-Track/Tenured faculty positions are encouraged to apply to 519661. Visit <https://facultycareers.fiu.edu/> and

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attach cover letter, curriculum vitae, statement of teaching philosophy, research statement, etc. as individual attachments. Candidates are required to provide names and contact information for at least three references who will be contacted as determined by the search committee. To receive full consideration, applications and required materials should be received by November 10th, 2019. Review will continue until the position has been filled.

FIU is a member of the State University System of Florida and an Equal Opportunity, Equal Access Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Franklin & Marshall College

Tenure-Track Positions in Computer Science

Franklin & Marshall College invites applications for two tenure-track positions in the Department of Computer Science beginning Fall 2020, at the rank of Assistant Professor or Instructor depending on qualifications.

Applicants must submit materials through Interfolio. Details on the application process are available at Interfolio <http://apply.interfolio.com/67393>. Review of applications will begin on November 1, 2019, and continue until the positions are filled. Direct any

questions but no application materials to cssearch@fandm.edu or to Annalisa Crannell at 717-358-4222.

Franklin & Marshall College is committed to having an inclusive campus community where all members are treated with dignity and respect. As an Equal Opportunity Employer, the College does not discriminate in its hiring or employment practices on the basis of gender, sex, race, ethnicity, color, national origin, religion, age, disability, family or marital status, sexual orientation, or any protected characteristic. Individuals who need an accommodation due to a disability in order to submit an application or attend an employment interview should contact the department's academic coordinator.

Furman University

Open-Rank Tenure Track Professor in Computer Science

The Department of Computer Science at Furman University invites applications for a tenure track position at the Assistant, Associate, or Full rank to begin August 1, 2020. Candidates must have a Ph.D. in Computer Science or a closely related field, and all areas of specialty will be considered. The position requires teaching excellence, scholarly and professional activity involving undergraduates, effective institutional service, and a willingness to work with colleagues across disciplines.

The Department of Computer Science confers degrees with majors in

Computer Science (B.S.) and Information Technology (B.S. and B.A.), an innovative, interdisciplinary program of study. The Department values teaching and research projects that bridge Computer Science with other disciplines, efforts to provide students with learning opportunities outside the classroom and in the community, and contributing to Furman's university-wide First Year Writing Seminar program. Furman Computer Science professors mentor undergraduates both formally and informally, and work to build a welcoming student-faculty community.

Furman University is a selective private liberal arts and sciences college committed to helping students develop intellectually, personally, and interpersonally and providing the practical skills necessary to succeed in a rapidly-changing world. Furman professors are exceptional teacher-scholars who mentor undergraduate students within a campus community that values and encourages diverse ideas and perspectives. Our recently-launched strategic vision, The Furman Advantage, promises students an individualized four-year pathway facilitated by team of mentors and infused with a rich and varied set of high-impact experiences outside the classroom that include undergraduate research, study away, internships, community-focused learning, and opportunities to engage across disciplines.

Furman is an Equal Opportunity Employer committed to increasing the diversity of its faculty and staff. The University aspires to create a community of people representing a multiplicity of identities including gender, race, religion, spiritual

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belief, sexual orientation, geographic origin, socioeconomic background, ideology, world view, and varied abilities. Domestic partners of employees are eligible for comprehensive benefits.

The Furman student experience is supported by a rich network of centers and institutes that includes The Riley Institute, The David E. Shi Center for Sustainability, The Institute for the Advancement of Community Health, The Rinker Center for Study Away and International Education, The Cothran Center for Vocational Exploration, The Shucker Center for Leadership Development, The Malone Center for Career Engagement, and our newest addition, The Center for Inclusive Communities.

Furman is located in Greenville, South Carolina, which is one of the fastest growing cities in the Southeast and is ranked among "America's Ten Best" by *Forbes Magazine*. The charming downtown features excellent restaurants, in-town parks, shops, museums, galleries, music venues, and theaters. The city also has excellent public and private schools and a vibrant international community. A 20-mile bike and running trail connects the university to Greenville and to Travelers Rest, which was named "one of America's coolest small towns." The surrounding area abounds with outdoor recreational activities and has some of the most beautiful lakes, rivers, and mountains in the country. Greenville is within easy reach of the Blue Ridge Mountains and Atlantic beaches. The newly renovated Greenville- Spartanburg

Airport, located just 25 minutes from downtown, runs daily flights to major cities and airline hubs. Greenville is 2 1/2 hours from Atlanta and only one hour from Asheville, North Carolina. It is an ideal place to live and work.

Applicants should submit a curriculum vitae, cover letter, statement of teaching philosophy and experience, statement of research interests, an official copy of most recent transcripts, and a diversity statement that describes how your teaching, scholarship, mentoring and/or service might contribute to a liberal arts college community that includes a commitment to diversity as one of its core values. Three letters of recommendation should be sent separately. Review of applications will continue until the position is filled, but to ensure full consideration, applications should be completed by November 15, 2019. Questions can be directed to the chair of the Department of Computer Science, Dr. Kevin Treu, at kevin.treu@furman.edu. To submit an application and letters of recommendation, please visit https://furman.wd5.myworkdayjobs.com/en-US/Furman_Careers/job/Main-Campus/Assistant-Professor-Computer-Science-2_R000685

George Mason University

Multiple Tenure-Track and Tenured Faculty Positions

The George Mason University Department of Computer Science, within the Volgenau School of Engineering,

invites applications for multiple tenure-track or tenured faculty positions beginning Fall 2020. Senior candidates with established records of outstanding research and excellent teaching will be eligible for tenured Associate Professor or Professor positions.

Responsibilities:

Successful candidates will be expected to teach at the undergraduate and graduate levels; develop an independent, externally funded research program; advise students; participate in all aspects of the department's mission, and serve the profession.

Required Qualifications:

Applicants must have received a PhD in computer science or a related field by the start date of the position, and should have demonstrated potential for excellence and productivity in research, and a commitment to high-quality teaching.

Preferred Qualifications:

Applicants in all areas of computer science will be given serious consideration. We are particularly interested in candidates in the areas of artificial intelligence, machine learning, robotics, software engineering, programming languages, human-computer interaction, computer systems, high-performance computing, security and privacy, theoretical computer science, computer science education and data management.

For full consideration, applicants must apply for position number F056AZ

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at <http://jobs.gmu.edu/>. To apply, you will need a statement of professional goals including your perspective on teaching and research (to attach as 'Other Doc'), a complete CV with publications and teaching history, a statement on what diversity and inclusion means to you (to attach as 'Other Doc'), and the names of three references. The review of applications will begin December 2, 2019 and continue until the position is filled.

About the Department:

The Department of Computer Science has 42 tenured and tenure-track faculty and 12 teaching-track faculty with wide-ranging research interests, and strong research groups in cybersecurity, systems and networks, machine learning and data mining, artificial intelligence and software engineering. The Department has seen a substantial increase in computer science majors as enrollment has grown from 550 undergraduates in 2012 to more than 1700 today. The department has nearly 130 PhD students and more than 350 graduate students enrolled in four MS programs. The Department has \$8.5 million in annual research expenditures, 14 recipients of the prestigious CAREER/Young Investigator Awards, four IEEE Fellows, and two ACM Fellows.

In conjunction with Amazon's decision to establish a second headquarters in Northern Virginia, the Commonwealth of Virginia announced a multi-year plan to invest in the growth of degree programs in computing, and George Mason

University has committed to accelerating its plans to grow its capacity in computer science and related disciplines. For more information on the department, visit our Web site: <http://cs.gmu.edu/>.

Mason Engineering: The Future of Engineering is Here

The Volgenau School of Engineering at George Mason University is a fast-growing force for innovation in research and education, with approximately 250 full-time faculty. The school boasts more than 8,170 students in 37 undergraduate, master's, and doctoral degree programs, including several first-in-the-nation offerings. Volgenau School researchers earned more than \$90 million in awards over the last 12 months. Located in the heart of Northern Virginia's technology corridor, Mason Engineering stands out for its excellence in emerging areas including big data, cybersecurity, healthcare technology, robotics and autonomous systems, signals and communications, and sustainable infrastructure.

About George Mason:

George Mason University is the largest public research university in Virginia, classified at the R1 highest research activity level, with an enrollment of over 38,000 students studying in over 200-degree programs. Mason is an innovative, entrepreneurial institution with national distinction in a range of academic fields. Mason is located in the city of Fairfax in Northern Virginia at the doorstep of the Washington, D.C., metropolitan area, with unmatched

geographical access to a number of federal agencies and national laboratories. Northern Virginia is also home to one of the largest concentrations of high-tech firms in the nation, providing excellent opportunities for interaction with industry. Fairfax is consistently rated as being among the best places to live in the country and has an outstanding local public school system.

George Mason University is an equal opportunity/affirmative action employer, committed to promoting inclusion and equity in its community. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or veteran status, or any characteristic protected by law.

Georgetown University

Assistant and Associate Professor

The Department of Computer Science at Georgetown University welcomes applications for tenure-track positions at the Assistant or Associate Professor rank. We are a rapidly growing department in a top-ranked university in Washington, DC with a wide variety of cultural opportunities as well as access to funding agencies. We are committed to building a diverse intellectual community and strongly encourage applications from those from underrepresented backgrounds.

Applicants must have a Ph.D. in Computer Science or a related area, and must show

Professional Opportunities

a promise of excellence in research as well as teaching.

- **Position #1:** Candidates with a strong record of research in the area of security, cryptography, or privacy are invited to apply.
- **Position #2:** Candidates with research interests that will complement and bridge with one of our core areas of data-centric computing, security and privacy, and theory are invited to apply. In particular, candidates with a strong record of research in machine learning and AI, programming languages, systems, software engineering, or human-computer interaction are encouraged to apply.

More information for applying to these positions is provided at <http://cs.georgetown.edu/jobs>.

Georgetown University is an Equal Opportunity/Affirmative Action Employer fully dedicated to achieving a diverse faculty and staff.

Georgia Institute of Technology

Tenure-Track Faculty

The School of Computational Science and Engineering (CSE) in the College of Computing at the Georgia Institute of Technology invites applications for multiple openings at the Assistant Professor level (tenure-track); exceptional candidates at the Associate Professor and Professor level also will be considered. CSE focuses on foundational research of an interdisciplinary nature that enables advances in science, engineering,

medical, and social domains. Applicants are expected to develop and sustain a research program in one or more of our core areas: high-performance computing, scientific and numerical computing, modeling and simulation, discrete algorithms, and large-scale data analytics (including machine learning and artificial intelligence). Applicants are expected to engage in substantive research with collaborators in other disciplines. For example, current faculty have domain expertise and/or collaborations in computational chemistry; earth sciences; biomedical and health; urban systems and smart cities; social good and sustainable development; materials and manufacturing; cybersecurity; and others. Applicants must have an outstanding record of research and a commitment to teaching.

Georgia Tech is organized into six Colleges. The School of Computational Science and Engineering resides in the College of Computing along with the School of Computer Science and the School of Interactive Computing. Joint appointments with other Schools in the College of Computing as well as Schools in other Colleges will be considered.

Applications should be submitted online through: <https://academicjobsonline.org/ajol/jobs/14887>. The application material should include a full academic CV, a personal narrative on teaching and research, a list of at least three references, and up to three sample publications. Unique to applications this year to CSE, the personal narrative should include one highlighted paragraph that

describes the applicant's most significant achievement and includes a reference to a single publication or preprint that the search committee will review in detail. For full consideration, applications are due by December 15, 2019.

Georgia Tech is an Affirmative Action/Equal Opportunity Employer. Applications from women and underrepresented minorities are strongly encouraged.

For more information about Georgia Tech's School of Computational Science and Engineering please visit: <http://www.cse.gatech.edu/>

Georgia Institute of Technology

Tenure-Track Faculty

The School of Computer Science at the Georgia Institute of Technology (Georgia Tech) invites applications for several tenure track faculty positions at all ranks. We seek candidates in all areas who complement and enhance our current research strengths, and are especially interested this year in candidates whose research focus is in the broad area of Theoretical Computer Science.

Georgia Tech is an equal education/employment opportunity institution dedicated to building a diverse community. We strongly encourage applications from women, underrepresented groups, individuals with disabilities, and veterans. Georgia Tech has policies to promote a healthy work-life balance and is aware that attracting faculty may require meeting the needs of two careers.

Professional Opportunities

The School of Computer Science, one of three schools in the top-ten ranked College of Computing, focuses on research that makes computing and communication smart, fast, reliable, and secure, with research groups in computer architecture, databases, machine learning, networking, programming languages, security, software engineering, systems, and theory. Faculty in the school are leaders in a variety of Georgia Tech initiatives, including: the Algorithms and Randomness Center (ARC), the Center for Research into Novel Computing Hierarchies (CRNCH), the Institute for Data Engineering and Science (IDEaS), and the Institute for Information Security and Privacy (IISP). The school is in a period of rapid growth with eight tenure-track Assistant Professors hired in the last two years.

Georgia Tech is a top-ranked public research university situated in the heart of Atlanta, a diverse and vibrant city with multiple universities. Midtown Atlanta, where Georgia Tech is located, has been recognized as one of the 2016 Great Neighborhoods by the American Planning Association due to its liveliness, walkability, and many great cultural and economic strengths. The Institute is a member of the University System of Georgia, the Georgia Research Alliance, and the Association of American Universities. Georgia Tech prides itself on its technology resources, collaborations, high-quality student body, and its commitment to diversity, equity, and inclusion.

Applications will be considered until open positions are filled. For full consideration, applicants are encouraged to submit

their applications by December 15, 2019. Applicants are encouraged to clearly identify in their cover letter the area(s) that best describe their research interests. All applications must be submitted online at: <https://academicjobsonline.org/ajol/jobs/14715>. More information about the School of Computer Science is available at: <http://scs.gatech.edu>.

Georgia Institute of Technology

Tenure Track Faculty Position

The School of Interactive Computing (IC) at the Georgia Institute of Technology (Georgia Tech) invites applications for several anticipated tenure track faculty positions at all levels of seniority. This year, our areas of primary interest include Natural Language Processing, Machine Learning, Robotics and Data Visualization. These areas are of strategic importance to the school, as we build on our strong hiring in similar areas within the past several years. We will also consider truly outstanding candidates in other areas that support the school's mission and expand it in strategic directions. Suitable candidates must have an established international reputation and have demonstrated exceptional impact, productivity, and leadership. Candidates are also expected to demonstrate an exceptional commitment to the teaching and mentoring of students.

The School of IC is a part of Georgia Tech's College of Computing, which is ranked among the top ten Computer Science departments in the nation. The

school includes 40 full-time tenure-track Faculty, 6 Faculty with joint appointments, 8 Research Scientists, 130 PhD students, and a large number of Master's students. We work in a wide range of research areas relating to the interface of computing to the world. The school is affiliated with the Gvu Center, the Institute for Robotics and Intelligent Machines, the Institute for Information Security and Privacy, and the Machine Learning Center.

Georgia Tech is a top-ranked public research university situated in the heart of Atlanta, a diverse and vibrant city with great economic and cultural strengths. The Institute is a member of the University System of Georgia, the Georgia Research Alliance, and the Association of American Universities. Georgia Tech prides itself on its technology resources, collaborations, high-quality student body, and its commitment to diversity, equity, and inclusion.

Application materials should be submitted online <https://academicjobsonline.org/ajol/jobs/14570> and must include a cover letter, research statement, teaching statement, curriculum vitae, the contact information of at least three references, and three publications. Applicants must have outstanding academic credentials, a sincere commitment to teaching, and an interest in engaging in substantive interdisciplinary research. We ask that applicants clearly indicate their research area(s) and focus in their cover letters.

Preference will be given to applications submitted by December 14, 2019, but we will

Professional Opportunities

continue accepting applications until the positions are filled. Questions regarding the status of an application may be directed to recruiting-ic@cc.gatech.edu.

Georgia Tech is an equal education/employment opportunity institution dedicated to building a diverse community. We strongly encourage applications from women, underrepresented minorities, individuals with disabilities, and veterans. Georgia Tech has policies to promote a healthy work-life balance and is aware that attracting faculty may require meeting the needs of two careers.

Grand Valley State University

Assistant/Associate Professor of Computing and Information Systems

The School of Computing & Information Systems at Grand Valley State University seeks to fill multiple positions for tenure-track assistant/associate professors in computer science, information systems, or information technology beginning fall 2020.

A Ph.D. in Computer Science or a closely related field is required. ABD near completion will be considered. Candidates must be professionally active, have demonstrable teaching potential and a commitment to undergraduate and graduate teaching and research. We are looking for excellent teachers with a passion for computing and learning. Mentoring undergraduate or graduate research, or working in your area of technical specialty is valued.

Applicants should be qualified to teach core areas of computer science, information systems, or information technology. Candidates with the ability to teach any of the topics database/data management, data mining, data science, operating systems, distributed systems, cloud computing, edge computing, IoT, AI/machine learning, augmented reality, visualization, human-computer interaction, or cybersecurity are especially encouraged to apply

The School of CIS offers ABET-accredited undergraduate programs, several minors, and master's degrees. The School has 38 full-time faculty, 800 undergraduate students and 150 graduate students. Grand Valley has 25,000 students and is the fastest growing Michigan state-supported university. We focus on experiential learning with opportunities for faculty-industry collaboration via CIS's Applied Computing Institute.

The Grand Valley campuses are located in Allendale and downtown Grand Rapids, which is the second-largest metropolitan area in Michigan. The area offers numerous cultural and recreational opportunities, a moderate cost of living, and high quality of life. Visit www.experiencegr.com or www.hellowestmichigan.com for information on living in the West Michigan area. Refer to our web site (www.cis.gvsu.edu) for additional information about our faculty, students, and university (www.gvsu.edu).

Application review will begin immediately and continue until all the positions are

filled. Applications will be accepted on-line only. Apply at www.jobs.gvsu.edu. Include a letter of interest or nomination, curriculum vitae, statement of teaching philosophy, and at least three references listing name, address, phone and e-mail address. If you have questions or need assistance, call Human Resources at 616-331-2215. Grand Valley State University is an affirmative action, equal opportunity institution.

Hanover College

Assistant or Associate Professor of Computer Science Tenure Track

Hanover College invites applications for a tenure-track position in Computer Science, with a joint appointment in Engineering, at the Assistant or Associate Professor level. We are particularly looking for candidates with systems expertise and a passion for teaching, with experience at the undergraduate level preferred. The appointment will begin September 2020.

Successful candidates will be able to teach existing systems courses as well as new courses in systems areas not currently covered, such as security, parallel and distributed computing, or cloud computing. They are also expected to teach select computer engineering courses, specifically Computer Systems Architecture, Embedded Microcomputer Systems, and Digital Systems. The 3-3-1 annual teaching schedule includes a range of core and elective CS courses and 1 or 2 Computer Engineering courses per year. Ph.D. in Computer Science strongly preferred, but related areas will also be considered.

Professional Opportunities

You will be joining a tight-knit group of dedicated educators who collaborate closely, frequently team-teach, and enjoy experimenting with active-learning techniques.

Minimum qualifications include the following: Ph.D. by time of appointment; evidence of teaching effectiveness; ability to advise and mentor students; active participation in scholarly interests; and ability to embrace the liberal arts mission of the College. For further details visit <https://www.hanover.edu/about/employment>.

Electronic applications should include application letter, vita, statements of teaching and research interest, evidence of teaching effectiveness, and transcripts addressed to Dr. Barbara Wahl, Chair, Computer Science Search. To apply and upload documents, visit <https://hanover.hirecentric.com/jobsearch/>. Three letters of reference should be sent independently to facultysearch@hanover.edu. For more information, see <https://www.hanover.edu/about/employment>.

Applications received by October 21, 2019 will receive full consideration; however, all applications will be considered until the position is filled.

Hanover College is committed to providing equal access to its educational programs, activities, and facilities to all otherwise qualified students without discrimination on the basis of race, national origin, color, creed, religion, sex, age, disability, veteran status, sexual orientation, gender identity, or any other category protected by applicable state or federal

law. An Equal Opportunity employer, the College also affirms its commitment to nondiscrimination in its employment policies and practices. In compliance with Title IX (20 U.S.C Sec. 1681 et seq.) Hanover College prohibits sex discrimination, including sexual harassment.

Harvard Business School

*Technology and Operations
Management Unit*

Reference Key: TOM Unit

Deadline: November 19, 2019

The Technology and Operations Management Unit of Harvard Business School seeks candidates for a full-time tenure-track Assistant Professor position starting July 2020.

Applicants should have research interests in new product development, economics and management of innovation, economics of information technology, digital transformation, applied AI, data science and analytics in business contexts, operations management in service, retailing, and manufacturing contexts, digital operations and analytics, or supply chain management. Applicants should have recently graduated with a PhD (forthcoming or in the last 3 years) with strong, demonstrated potential and interest to conduct research at the forefront of their field.

To be considered, applicants should submit a complete job packet by November 19, 2019 and should include a current curriculum vitae, job market

paper, research statement, teaching statement and copies of other publications and working papers, and three letters of recommendation. All application materials should be uploaded by the closing date at <http://www.hbs.edu/research/faculty-recruiting/>

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

Harvard John A. Paulson School of Engineering & Applied Sciences

*Lecturer in Computational Science
and Data Science*

The Harvard John A. Paulson School of Engineering and Applied Sciences seeks applicants for the position of Lecturer in Computational Science and Data Science in the Institute for Applied Computational Science (IACS) (<http://iacs.seas.harvard.edu>), with an expected start date of July 1, 2020. This is an annual (twelve month) academic appointment renewable for up to three years, depending on continuing curricular need and performance.

Duties include teaching three computational or data science courses per year, supervising and advising master's student projects, and conducting

Professional Opportunities

independent research in an area of the lecturer's choosing. In addition, the lecturer will be expected to participate in the planning and execution of community events planned by the IACS. Candidates are required to have a doctoral degree in Computer Science, Applied Mathematics, Statistics, or a related field (physical science or social science with a focus on computational methods) by the expected start date. In addition, we seek candidates with programming skills in some programming language and a record of teaching at the undergraduate or graduate level.

Required documents include: a cover letter, including a description of teaching experience and philosophy and comments on any efforts to encourage diversity, inclusion, and belonging; a current CV; and course evaluations for all recently taught courses. Candidates are also required to submit the names and contact information for three to five references. Three letters of recommendation are required, and the application is considered complete only when at least three letters have been received. Applicants can apply using this link: <https://academicpositions.harvard.edu/postings/9228>. We encourage candidates to apply by December 15, 2019, but will continue to review applications until the position is filled.

Harvard University is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity,

sexual orientation, pregnancy and pregnancy-related conditions, or any other characteristic protected by law.

Harvard University

Tenure track faculty position in Computer Science

The Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS) seeks applicants for a position at the tenure-track level in Computer Science, with an expected start date of July 1, 2020.

We are accepting applications in all areas of Computer Science. Machine learning, natural language processing, systems, systems security, and algorithms are areas of special interest, but candidates in any area are invited to apply.

We seek candidates who have a strong research record and a commitment to undergraduate and graduate teaching and training. We particularly encourage applications from historically underrepresented groups, including women and minorities.

Computer Science at Harvard benefits from outstanding undergraduate and graduate students, world-leading faculty, an excellent location, significant industrial collaboration, and substantial support from SEAS. Information about Harvard's current faculty, research, and educational programs in computer science is available at <http://www.seas.harvard.edu/computer-science>.

The associated Institute for Applied Computational Science (<http://iacs.seas>.

harvard.edu) and Data Science Initiative (<https://datascience.harvard.edu/>) foster connections among computer science, applied math, data science, and various domain sciences at Harvard through its graduate programs and events.

A doctorate or terminal degree in Computer Science or a related field is required by the expected start date.

Required application documents include a cover letter, CV, a statement of research interests, a teaching statement, and up to three representative papers. In addition, we ask for a statement describing efforts to encourage diversity, inclusion, and belonging, including past, current, and anticipated future contributions in these areas. Candidates are also required to submit the names and contact information for at least three and up to five references, and the application is complete only when three letters have been submitted. At least one letter must come from someone who has not served as the candidate's undergraduate, graduate, or postdoctoral advisor. We encourage candidates to apply by December 6, 2019, but will continue to review applications until the position is filled. Applicants can apply online at <http://academicpositions.harvard.edu/postings/9134>.

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

Professional Opportunities

Hofstra University

Assistant Professor of Computer Science

The Department of Computer Science at Hofstra University (www.hofstra.edu/compscience) invites applications for an anticipated tenure-track faculty position at the Assistant Professor level to begin in Fall 2020. Strong candidates in all areas of computer science are welcome to apply. Faculty members are expected to teach a range of theoretical and applied courses. Applicants are expected to have completed a Ph.D. in computer science or a closely related field by September 1, 2020.

The programs in the Computer Science Department are experiencing rapid growth, and the successful applicants will contribute to the further development of a top-tier undergraduate educational institution. The department offers BA, BS, and MS degrees in Computer Science, a BS in Computer Engineering, and a newly-introduced BS in Cybersecurity. Current faculty research interests include: cybersecurity and privacy, computer vision, cognitive neuroscience, computability, data mining, software engineering, and programming languages. The department has newly updated facilities with 6 labs, including a "big data" lab with 20 servers, a 64 CPU machine and IPB storage.

Interested applicants should send:

- a cover letter indicating why Hofstra is a good fit,
- a curriculum vitae,
- a statement of teaching,

- a statement of current research interests and anticipated future research projects, and
- two sample publications

in a single PDF to the Search Committee Chairperson at: SEAS4@hofstra.edu by December 1, 2019. Also, please arrange to have three letters of academic reference sent to the same email address (include their names/email addresses in the cover letter).

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

Illinois Institute of Technology

Tenure-Track/Tenured Positions In Computer Science

The Department of Computer Science at the Illinois Institute of Technology invites applications for multiple tenure-track/tenured faculty positions at all ranks, appointments to start in Fall 2020.

Applicants must have a Ph.D. in computer science or a closely related field, demonstrated excellence in research, a record of attracting external research funding appropriate to their rank, and a strong commitment to teaching. We seek outstanding candidates in all areas of computer science; candidates in cybersecurity, data science, artificial intelligence, parallel and distributed

systems, and programming languages are especially encouraged to apply.

The Department of Computer Science at the Illinois Institute of Technology offers Bachelors, Masters, and Ph.D. degrees in Computer Science, as well as Bachelors and Masters degrees in Artificial Intelligence, a Masters degree in Cybersecurity, and interdisciplinary Masters degrees in Data Science and in Computational Decision Science and Operations Research. The department is in a significant growth phase, with multiple faculty hires per year expected for at least the next few years. It is also launching diverse new interdisciplinary research and education programs, and has strong growing partnerships with Chicago's burgeoning tech community. Illinois Institute of Technology, a private, technology-focused research university, is located just 10 minutes from downtown Chicago. The university has recently completed a successful capital campaign that led to the creation of multiple endowed positions, increased scholarship funding, the Center for Active Computational Thinking, and the new Ed Kaplan Family Institute for Innovation and Tech Entrepreneurship. In addition to its rigorous research and education programs, Illinois Tech has a long history of strong partnerships and collaborations with local companies, government labs, and nonprofits; the University Technology Park on campus is home to many startups who benefit from close collaboration with faculty and students.

Review of applications will start on November 1, 2019; applications will be

reviewed continually until all available positions are filled. Illinois Institute of Technology is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA employer committed to enhancing equity, inclusion and diversity within its community. It actively seeks applications from all individuals regardless of race, color, sex, marital status, religion, creed, national origin, disability, age, military or veteran status, sexual orientation, and/or gender identity and expression. All qualified applicants will receive equal consideration for employment. Applicants should apply online at <https://academicjobsonline.org/ajol/jobs/I4362>.

Illinois Wesleyan University

Assistant Professor of Computer Science

The Department of Computer Science at Illinois Wesleyan University (IWU) invites applications for a tenure-track position at the rank of Assistant Professor starting August 1, 2020. IWU is an equal opportunity employer committed to a diverse workforce, and the department is committed to supporting a culturally and academically diverse professoriate; we encourage applications from members of underrepresented groups and from practicing computer scientists with doctorates in other fields.

Illinois Wesleyan is a highly-selective, undergraduate, liberal arts university of approximately 1650 students. Our primary focus is on the students, and the primary responsibilities of the position revolve



Lecturer Positions in Computer Science, Informatics, and Intelligent Systems Engineering

The School of Informatics, Computing, and Engineering at Indiana University-Bloomington invites applications for multiple non-tenure track lecturer positions in three programs, **Computer Science**, **Informatics**, and **Intelligent System Engineering**, beginning in August 2020.

Computer science: We are particularly interested in candidates who can teach courses in one or more of the following areas: introductory programming (in Python, Java, or C/C++/C#), database concepts, data mining and analytics, introductory security, algorithm and data structure, math and logical foundations, software engineering, and game development.

Informatics: We are particularly interested in candidates who can teach our core courses in any of the following areas: mathematical foundations of informatics, human centered computing and human computer interaction, mobile application development, virtual and augmented reality, data science, software engineering and project management, or social and organizational informatics.

Intelligent systems engineering: We are particularly interested in candidates who can prepare and deliver courses in Computer Engineering and Cyber-physical Systems, potentially with applications in Nanoengineering and Bioengineering. Desirable skills include systems programming, systems design, and prototyping.

In addition to course responsibilities, lecturers will also be responsible for supervising associate instructors assigned to their classes, development of laboratory material, grading, and other duties as assigned.

After successfully completing a probationary period, lecturers will be eligible for long-term contracts and promotion to a Senior Lecturer position. Salary will be commensurate with qualifications and experience.

Candidates should possess a Master's of Science (MS) or higher degree in Informatics, Computer Science, Information Science, Engineering, or a related discipline, or equivalent tested experience such as experience and mastery in industry, and should be able to demonstrate a record of teaching excellence and enthusiasm. Applicants should preferably have two academic years' experience (may be part-time). SICE seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education. The strongest candidates can demonstrate their experience in teaching or working with diverse student populations.

Lecturers at Indiana University are valued members of the faculty and are expected to support the teaching mission of the School of Informatics, Computing, and Engineering through excellence in pedagogical practice, service to the school and academic programs, and inquiry into the advancement of pedagogy in computing.

Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle. IU is renowned for its top-ranked music school, high-performance computing and networking facilities, and performing and fine arts.

Apply online at:

Computer Science: <https://indiana.peopleadmin.com/postings/8691>

Informatics: <https://indiana.peopleadmin.com/postings/8692>

Intelligent Systems Engineering: <https://indiana.peopleadmin.com/postings/8693>

Consideration of applications will begin December 1, 2019. Applications will be considered until the positions are filled. Questions may be emailed to: sicehire+lecturer-2020@indiana.edu

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.

around teaching six courses per year (typically 3 per semester) and mentoring/advising undergraduates. The university and department are committed to the recruitment, inclusion, and success of an increasingly diverse and international student body, and candidates are urged to highlight any experience or background that may help them contribute to these goals in their application materials.

Faculty at IWU have active research programs that can be supported by internal grants and other initiatives within the university, including administrative support for seeking external grants. Undergraduate involvement in faculty research is common and encouraged.

The Computer Science department at IWU is a small but growing department with roughly 50 majors. Colleagues in the department are happy to provide mentoring and past course materials, and the university actively supports faculty development. Shared governance is a core value both for the institution and for the department, and the successful applicant can expect to share in guiding the department's curriculum, policies, and initiatives.

Please see additional information and instructions for applying at <https://www.iwu.edu/human-resources/job-openings/computer-science-2020-2021.html>.

Review of applications will begin on November 1, 2019, and will continue until the position is filled. Questions can be directed to Mark Liffiton, Chair of Computer Science, at cssearch@iwu.edu.



Assistant Professors in Computer Science Indiana University, Bloomington

The School of Informatics, Computing, and Engineering (SICE) at Indiana University (IU) Bloomington invites applications for two tenure-track assistant professor positions, in *machine learning and artificial intelligence* and in *quantum information* to begin Fall 2020. Duties will include research, teaching, and service.

Machine learning and artificial intelligence (ML/AI): Applications are solicited in all ML/AI areas. Focuses with applications to biomedicine and genomics are especially encouraged. This position is part of the *Precision Health Initiative (PHI)*, a multi-million dollar IU investment in research that aims to transform biomedical research, health care innovations and the delivery of health interventions in Indiana.

Quantum information: Candidates with research interests in formal models of computation, algorithms, and information theory, preferably with connection to quantum computation, quantum simulation, or quantum information science, are encouraged to apply. This position is part of an initiative for significant growth in these areas through the IU Center for Quantum Information Science and Engineering, bringing together researchers from multiple disciplines.

Applicants should have a demonstrable potential for excellence in research and teaching and a PhD in Computer Science or a relevant field expected before 8/2020. SICE seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education. The strongest candidates can demonstrate their experience in teaching or working with diverse student populations.

Apply online before 12/1/2019 for full consideration. Review will continue until the positions are filled.

Requirements and submission for ML/AI are at <https://indiana.peopleadmin.com/postings/8505> (questions to Prof. David Crandall, djcran@indiana.edu); for Quantum at <https://indiana.peopleadmin.com/postings/8506> (questions to Prof. Amr Sabry, sabry@indiana.edu).

SICE is the first school of its kind and among the largest in the country, with unsurpassed breadth. Its mission is to excel and lead in research, education, and outreach spanning and integrating the breadth of computing, IT and modern engineering. It includes over 140 faculty and 3,000 students. It offers PhDs in Computer Science, Informatics, Information Science, and Intelligent Systems Engineering.

Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle. IU is renowned for its top-ranked music school, high-performance computing and networking facilities, and performing and fine arts.

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.

Indian Institute of Information Technology

Assistant and Associate Professor Positions

IIT Sri City (IIITS) is located in a large industrial town **Sri City** (about 60 KMs

from Chennai on the Nellore Highway). IIITS has special focus on teaching/research in areas such as AI & ML, Cyber Security, Data Analytics, Cyber-Physical Systems, etc. IIITS is looking for highly qualified and motivated individuals to join the team of faculty.

For further details such as Institute Profile, Interest Areas, Pay/Reward Structure, etc., please visit the following link.

<http://www.iiits.ac.in/career/faculty/>

Iowa State University Software Engineering Program

*Teaching Professor -
Assistant, Associate or Full*

Appointment Type: Faculty

Iowa State University's Department of Electrical and Computer Engineering invites applications for an Assistant, Associate or Full Teaching Professor in the Software Engineering Program - <https://www.se.iastate.edu/>. May be full or part-time.

To see more details and apply for this position, please click on "Apply to this job" at https://isu.wdl.myworkdayjobs.com/IowaStateJobs/job/Ames-IA/Teaching-Professor---Assistant--Associate-or-Full_R242. Be prepared to include:

1. Letter of Application/Cover Letter
2. Resume/Curriculum Vitae
3. Statement of Teaching Philosophy
4. Contact Information for Three References (including phone and email)

Iowa State University

Assistant Teaching Professor

The Department of Computer Science at Iowa State University is accepting



Faculty Positions in Intelligent Systems Engineering
Indiana University, Bloomington

The School of Informatics, Computing, and Engineering (SICE) at Indiana University (IU) Bloomington invites applications for two tenure track/tenured faculty positions in Intelligent Systems Engineering (ISE) to begin in Fall 2020. Positions are expected to be filled at the assistant professor level but associate or full professor level may be considered. Duties include research, teaching, and service. ISE is an innovative program that focuses on the intersection of sophisticated computing methods and information technology with critical engineering problems. Current foci include bioengineering, computer engineering, robotics and cyberphysical systems, molecular and nanoscale engineering, environmental engineering, neuro-engineering, and intelligent systems. We are particularly interested in hiring in areas of computer engineering and computer systems engineering such as intelligent systems, applied machine learning and artificial intelligence, reconfigurable computing, high performance computing, embedded systems, VLSI and cyberphysical systems.

ISE offers BS, MS, and Ph.D. degrees. New faculty will have opportunity and responsibility to shape the development of curricula. There is a strong emphasis on world-class research, built around focused laboratories and proactively involving undergraduates. More information can be found at <https://www.engineering.indiana.edu>

Applicants should have demonstrable potential for excellence in research and teaching (junior level), or an established record of excellence in both (senior level), and a PhD in Engineering or a related field expected before August 2020. SICE seeks candidates prepared to contribute to our commitment to diversity and inclusion in higher education, especially those with experience in teaching or working with diverse student populations.

SICE is the first school of its kind and among the largest in the country. Its mission is to excel and lead in research, education, and outreach spanning and integrating the breadth of computing, IT and modern engineering. It includes over 140 faculty and 3000 students. Bloomington is a culturally thriving college town with a moderate cost of living and the amenities for an active lifestyle.

Candidates should review application requirements and submit applications at: <https://indiana.peopleadmin.com/postings/8500>

For full consideration, applications are due by December 1, 2019, but will be considered until the positions are filled. Questions may be sent to isechair@indiana.edu

Indiana University is an equal employment and affirmative action employer and a provider of ADA services. All qualified applicants will receive consideration for employment without regard to age, ethnicity, color, race, religion, sex, sexual orientation, gender identity or expression, genetic information, marital status, national origin, disability status or protected veteran status.

applications for a term faculty position at the rank of assistant teaching professor. Initial term is 3 years, beginning 1/1/2020, with the possibility for renewal. More details including application instructions are here https://isu.wdl.myworkdayjobs.com/en-US/IowaStateJobs/job/Ames-IA/Assistant-Teaching-Professor_R755.

Iowa State University

*Teaching Professor -
Assistant, Associate or Full*

Summary of Duties and Responsibilities:

The Department of Electrical and Computer Engineering (ECpE) at Iowa

Professional Opportunities

State University invites applications for the position of Assistant, Associate or Full Teaching Professor in the software engineering program. This position may be full or part-time.

Teaching Professors serve the program's educational mission through instruction, laboratory development, and curriculum innovation. Successful candidates will have experience that demonstrates ability, potential, and commitment to undergraduate education. This position will teach software engineering courses based on instructional need as well as the interests and expertise of the individual.

Candidates are expected to share our commitment to achieving excellence through diversity and inclusion. All faculty members are expected to interact collegially and maintain the highest standards of integrity and ethical behavior.

Required Minimum Qualifications:

Candidates at the Assistant Teaching Professor level should have a Bachelors degree in engineering or related discipline and 5 years of relevant work experience or a Masters degree in engineering or related discipline and 3 years of relevant work experience or a Doctoral degree in engineering or related discipline

Candidates at the Associate Teaching Professor level should have a record of teaching experience and one of the following; Bachelors degree in engineering or related discipline and 10 years of relevant work experience or a Masters degree in engineering or related discipline

and 8 years of relevant work experience or a Doctoral degree in engineering or related discipline and 5 years of relevant work experience.

Candidates at the Teaching Professor level should have a record of teaching experience and one of the following; Bachelors degree in engineering or related discipline and 15 years of relevant work experience or Masters degree in engineering or related discipline and 13 years of relevant work experience or Doctoral degree in engineering or related discipline and 10 years of relevant work experience.

Preferred Qualifications: Experience in teaching classes or industry experience with topics such as software project management, software architecture, or software testing and maintenance.

Ph.D. in software engineering, computer engineering, computer science or closely related field

Department/Program & College Description:

The Bachelor of Science degree in software engineering is jointly administered by the College of Engineering and the College of Liberal Arts and Sciences. The Software Engineering program provides undergraduate students with the opportunity to learn software engineering fundamentals, to study applications of state-of-the art software technologies and to prepare for the practice of software engineering. The program emphasizes industrial practice

and computer fundamentals. Modern software development practices and processes are incorporated in software engineering curriculum.

Department Unit/Website:

<http://www.se.iastate.edu/>

Proposed Start Date:

August 16, 2019

Proposed End Date or Length of Term:

May 15, 2022

Number of Months Employed Per Year:

09 Month Work Period

Time Type:

Part time

Pay Grade:

00 (Faculty)

Application Instructions:

To apply for this position, please click on "Apply to this job" at https://isu.wdl.myworkdayjobs.com/IowaStateJobs/job/Ames-IA/Teaching-Professor---Assistant-Associate-or-Full_R242 and complete the Employment Application. Please be prepared to enter or attach the following:

1. Letter of Application/Cover Letter
2. Resume/Curriculum Vitae
3. Statement of Teaching Philosophy
4. Contact Information for Three References (including phone and email)

Professional Opportunities

Johns Hopkins University

Tenure-Track Faculty

The Johns Hopkins University's Department of Computer Science seeks applicants for tenure-track faculty positions at all levels and across all areas of computer science. The department will consider offers in two tracks: (1) an open track seeking excellent candidates across all areas of computer science; and (2) a track seeking candidates in the areas of human-computer interaction (HCI), human-AI interaction, computational health, artificial intelligence and machine learning. The search will focus on candidates at the junior level, but all qualified applicants will be considered.

Plans for faculty growth in the department are aligned with School and University initiatives in health and AI. Additionally, the faculty will continue to grow by adding excellent and diverse candidates across all areas of computer science. The HCI search is part of a newly-launched initiative (<http://hci.jhu.edu>) that seeks to transform existing HCI research activities across the university by making several faculty hires within Computer Science.

The Department of Computer Science has 31 full-time tenured and tenure-track faculty members, 8 research and 5 teaching faculty members, 200 PhD students, 200 MSE/MSSI students, and over 500 undergraduate students. There are several affiliated research centers and institutes including the Laboratory for Computational Sensing and Robotics (LCSR), the Center for

Language and Speech Processing (CLSP), the JHU Information Security Institute (JHUISI), the Institute for Data-Intensive Engineering and Science (IDIES), the Malone Center for Engineering in Healthcare (MCEH), the Institute for Assured Autonomy (IAA), and other labs and research groups. More information about the Department of Computer Science can be found at www.cs.jhu.edu and about the Whiting School of Engineering at <https://engineering.jhu.edu>.

Applicants should submit a curriculum vitae, a research statement, a teaching statement, three recent publications, and complete contact information for at least three references.

Applications must be made on-line at <http://apply.interfolio.com/69225>. While candidates who complete their applications by December 15, 2019, will receive full consideration, the department will consider applications submitted after that date.

The Whiting School of Engineering and the Department of Computer Science are committed to building a diverse educational environment: <https://www.cs.jhu.edu/diversity/>.

The Johns Hopkins University is committed to equal opportunity for its faculty, staff, and students. To that end, the University does not discriminate on the basis of sex, gender, marital status, pregnancy, race, color, ethnicity, national origin, age, disability, religion, sexual orientation, gender identity or expression, veteran status or other legally protected characteristics. The University

is committed to providing qualified individuals access to all academic and employment programs, benefits and activities on the basis of demonstrated ability, performance, and merit without regard to personal factors that are irrelevant to the program involved.

LSU

Assistant Professor in Computer Science

The Division of Computer Science and Engineering within the School of Electrical Engineering and Computer Science at Louisiana State University (LSU) - Baton Rouge invites applications for a tenure-track assistant professor position beginning August 2020. Our focus area of hiring is computer networking. Strong candidates in collaborative areas related with computer networking research and commitment to teaching networking courses are also encouraged to apply. Exceptionally qualified candidates in other areas of computer science will also be considered.

The successful applicant will possess a Ph.D. in Computer Science or other relevant discipline and will have a record of published research and the ability to attract funding. Applicants who are all but dissertation (A.B.D.) and will complete the Ph.D. by the time of appointment will be considered. Women and minorities are strongly encouraged to apply.

Submit Applications on the LSU Career Site. https://lsu.wd1.myworkdayjobs.com/LSU/job/LSU--Baton-Rouge/Assistant-Professor--Tenure-Track-_R00040734

LSU is committed to diversity and is an equal opportunity/access employer.

Questions or concerns can be directed to the LSU Human Resources Management Office at HR@lsu.edu

Lehigh University

tenure-track and PoP positions in Computer Engineering

The Electrical and Computer Engineering Department of the P.C. Rossin College of Engineering & Applied Science at Lehigh University invites applications for one tenure track position and one professor of practice position in the general areas of computer engineering, including but are not limited to: embedded and real time systems, energy-efficient architectures, cyber-physical systems, machine learning accelerators, hardware security, accelerators for bioinformatics, and edge computing.

Review of applications will begin in early December, and will continue until the positions are filled.

See <https://engineering.lehigh.edu/ece/about-department-electrical-and-computer-engineering/ece-job-openings> for details.

Lehigh University

Open Rank Tenure-Track Positions

Applications are invited for tenure-track and tenured upon arrival positions in the Computer Science and Engineering Department (<http://www.cse.lehigh.edu>) of Lehigh University. Outstanding candidates in robotics, systems/security, and artificial intelligence/machine learning/data science are sought for faculty positions at the ranks commensurate with experience.

In addition, exceptional candidates in all areas of computer engineering and computer science will be considered. Successful applicants must hold a Ph.D. in Computer Science, Computer Engineering, or a closely related field or receive such degree prior to the official start of employment.

The CSE Department currently has six professors of practice and 16 tenure track professors who maintain outstanding international reputations in a variety of areas, including artificial intelligence, data science, robotics, and systems. The CSE faculty include several NSF CAREER award winners, fellows of the ACM, IEEE, NAI, and the Humboldt Foundation, and former program officers of the National Science Foundation. Successful candidates will have the opportunity to collaborate with our faculty in ongoing research projects including those associated with Lehigh's interdisciplinary research institutes (<https://www1.lehigh.edu/research/interdisciplinary-research-institutes/data-intelligent-systems-computation>). The University and the Rossin College of Engineering are planning for the significant growth of the CSE faculty over the next few years. That plan includes hiring several tenure track faculty members this year.

The Department offers Ph.D. and M.S. degrees in Computer Science. All of our B.S. programs are fully accredited, including the unique B.S. in Computer Science and Business program which is accredited both in computer science and in business. Our undergraduate,

Masters, and Ph.D. programs are vibrant and growing, with current enrollments of approximately 350 undergraduate and 50 graduate students. We anticipate doubling the graduate student population in the next few years. The Department's offices, labs, and facilities are situated in the newly renovated "Building C" on the Lehigh Mountaintop Campus, which offers beautiful views of the surrounding area. The Building's facilities include three high bays, one of which will be renovated in the coming months to house the Lehigh Robotics labs.

Lehigh University is an equal opportunity, affirmative action, and non-discrimination employer that provides competitive salaries and comprehensive benefits and has a well-developed infrastructure to address dual career and work-life balance matters. As demonstrated by the Core Values and the Principles of Our Equitable Community, Lehigh University is committed to the values of Integrity and Honesty, Equitable Community, Academic Freedom, Intellectual Curiosity, Collaboration, Commitment to Excellence, and Leadership.

Lehigh University is in Bethlehem, PA, in the rapidly growing Lehigh Valley metropolitan area. The Lehigh Valley, with a population over 800,000, is located approximately one hour north of Philadelphia and 1.5 hours west of New York City. The University has a current enrollment of approximately 5,000 undergraduate students and 2,000 graduate students and is planning

Professional Opportunities

to increase these enrollments in the next few years. Lehigh is investing substantially in new innovative research and academic programs to enhance its intellectual footprint. These investments, based on faculty-driven initiatives, will advance the University's commitment to research and to enhance student experiences.

Applications for the senior, tenured upon arrival position must be submitted online at <https://academicjobsonline.org/ajob/jobs/14479>. Junior tenure-track position applicants should apply at <https://academicjobsonline.org/ajob/jobs/14448>. Applications should include a cover letter, curriculum vitae, both teaching and research statements, a diversity statement, and contact information for at least three references. Review of applications will begin immediately. Interview invitations and job offers will be made on a rolling basis until all positions are filled.

Questions concerning this search may be sent to faculty-search@cse.lehigh.edu.

Loyola University Chicago

Assistant Professor in Computer Science - Tenure Track

Loyola University Chicago (LUC), College of Arts and Sciences, Department of Computer Science invites applications for a full-time, tenure-track position at the rank of Assistant Professor for the academic year 2020-2021, beginning August 10, 2020. For more information

about the department, please visit <http://www.cs.luc.edu>.

By the start of the academic year (2020-2021), candidates must possess a PhD degree in computer science, computer engineering, or related disciplines. They also must have strong records in both research and teaching at the undergraduate and/or graduate levels. We encourage candidates in all areas of computer science/engineering to apply, but especially welcome candidates with a strong background in algorithms and/or systems. The candidate should be willing to support the mission of LUC and the goals of a Jesuit Catholic Education.

Candidates should submit a current CV, a teaching statement/research agenda, and a letter of interest to <http://www.careers.luc.edu/postings/12407>. They also should provide the names and email addresses of three professional references. For further information about this position, please contact the Computer Science Faculty Search Committee at career2020@cs.luc.edu.

Review of applications will begin November 15, 2019, and continue until the position is filled.

Loyola University Chicago

Assistant Professor in Computer Science - Tenure Track

Loyola University Chicago (LUC), College of Arts and Sciences, Department of Computer Science invites applications for a full-time, tenure-track position at

the rank of Assistant Professor for the academic year 2020-2021, beginning August 10, 2020. For more information about the department, please visit <http://www.cs.luc.edu>.

By the start of the academic year (2020-2021), candidates must possess a PhD degree in computer science, computer engineering, or related disciplines. They also must have strong records in both research and teaching at the undergraduate and/or graduate levels. We encourage candidates in all areas of computer science/engineering to apply, but especially welcome candidates with a strong background in algorithms and/or systems. The candidate should be willing to support the mission of LUC and the goals of a Jesuit Catholic Education.

Candidates should submit a current Curriculum Vitae, a teaching statement/research agenda, and a letter of interest to <http://www.careers.luc.edu/postings/12407>. They also should provide the names and email addresses of three individuals prepared to speak to their professional qualifications for this position. For further information about this position, please contact the Computer Science Faculty Search Committee at career2020@cs.luc.edu.

Review of applications will begin November 15, 2019, and continue until the position is filled.

Marywood University

Assistant Professor of Computer Science (Tenure-Track)

The Marywood Department of Science, Mathematics, and Computer Science invites applications for a tenure track Assistant Professor of Computer Science beginning August 2020. Qualified candidates must possess a Ph.D. in Computer Science by date of appointment. Responsibilities include teaching range of undergraduate courses in Computer Science. Student advisement, scholarly activities, and university, professional, and community service are expected. Prior college teaching as primary instructor, curriculum development, and/or ABET accreditation process preferred. Review continues until position is filled. For full consideration, apply by November 20. To apply, submit letter, statement of teaching philosophy, CV, and copies of graduate and undergraduate transcripts, a research statement, and three letters of recommendation using the online link <http://www.marywood.edu/employment/detail.html?id=8c96fd79-12cc-419d-9b2a-222a092530da&pageTitle=Position%20Available:%20Assistant%20Professor&crumbTrail=Assistant%20Professor>

Additional information at www.marywood.edu. AA/EEO.

Max Planck Society

Tenure-track Faculty Positions

The Max Planck Institutes for Informatics (Saarbruecken), Software Systems

(Saarbruecken and Kaiserslautern), and Security and Privacy (Bochum) invite applications for tenure-track faculty in all areas of computer science. Pending final approval, we expect to fill several positions.

A doctoral degree in computer science or related areas and an outstanding research record are required. Successful candidates are expected to build a team and pursue a highly visible research agenda, both independently and in collaboration with other groups.

The institutes are part of a network of over 80 Max Planck Institutes, Germany's premier basic-research organisations. MPis have an established record of world-class, foundational research in the sciences, technology, and the humanities. The institutes offer a unique environment that combines the best aspects of a university department and a research laboratory: Faculty enjoy full academic freedom, lead a team of doctoral students and post-docs, and have the opportunity to teach university courses; at the same time, they enjoy ongoing institutional funding in addition to third-party funds, a technical infrastructure unrivaled for an academic institution, as well as internationally competitive compensation.

We maintain an international and diverse work environment and seek applications from outstanding researchers worldwide. The working language is English; knowledge of the German language is not required for a successful career at the institutes.

Qualified candidates should apply on our application website (apply.cis.mpg.de).

To receive full consideration, applications should be received by December 15th, 2019.

The Max Planck Society wishes to increase the number of women in those areas where they are underrepresented. Women are therefore explicitly encouraged to apply. The Max Planck Society is also committed to increasing the number of employees with severe disabilities in its workforce. Applications from persons with severe disabilities are expressly desired.

The initial tenure-track appointment is for five years; it can be extended to seven years based on a midterm evaluation in the fourth year. A permanent contract can be awarded upon a successful tenure evaluation in the sixth year.

McGill University

Tenure-track positions at the School of Computer Science

The School of Computer Science of McGill University, Montreal, invites applications for several tenure-track appointments at all ranks with expertise in the broad area of machine learning and its interface with other fields of computer science. Specific areas of interest include:

- Theoretical foundations of machine learning
- Machine learning algorithms
- Security, privacy, robustness, or reliability in AI or AI-driven fields
- Computer systems for big data analytics and machine learning

Candidates should have a doctoral degree at the date of appointment and

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must have demonstrated the capacity for independent research of excellent quality. The successful candidates will be expected to conduct high-quality research and secure competitive external funding, teach to a diverse and talented student body and provide service to the University, the profession and society at large.

Salary will be negotiable, according to qualifications and experience. Outstanding candidates with specialization in core machine learning will be recommended to receive a CIFAR Chair in AI (<https://www.cifar.ca/ai/pan-canadian-artificial-intelligence-strategy>). The expected start date is August 1, 2020.

For more detailed information and to apply, please consult our website at: <https://www.cs.mcgill.ca/employment/faculty/>

The selection process will begin November 18, 2019, and continue until the positions are filled.

Montreal is home to a very active AI and IT community, including university-led institutes such as MILA, industry-led AI research groups (Google, Facebook, Microsoft, Samsung, Borealis, Thales, and several more), as well as a thriving startup community. Montreal is a historic and cosmopolitan city, home to six universities, and considered one of the best cities for students.

McGill University is among the top research intensive academic institutions in Canada and has been consistently ranked in the top universities worldwide

in a number of recent surveys. The School of Computer Science offers a collegial environment with opportunities for interaction with world-class researchers in machine learning, robotics, social data science, bioinformatics, natural language processing, theory, big data systems, communications, and more.

COMMITMENT TO EQUITY AND DIVERSITY

McGill University is committed to equity and diversity within its community and values academic rigour and excellence. We welcome and encourage applications from racialized persons/visible minorities, women, Indigenous persons, persons with disabilities, ethnic minorities, and persons of minority sexual orientations and gender identities, as well as from all qualified candidates with the skills and knowledge to engage productively with diverse communities.

All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadians and permanent residents will be given priority.

For more details see <https://www.mcgill.ca/apo/academic-life-cycle/tenure-track-academic-staff-professors-and-librarians/recruitment>

McMaster University

Department of Computing and Software

Tenure-Track Positions (machine learning and its applications, smart systems, data analytics, security and privacy, and software engineering)

Tenure-Track Faculty Positions in Computing and Software

The Faculty of Engineering at McMaster University invites applications from outstanding scholars for multiple tenure-track faculty positions at the rank of Assistant Professor in the Department of Computing and Software; however, exceptional candidates may be considered at the rank of Associate Professor. The appointment will begin on July 1, 2020, or shortly thereafter.

McMaster University is committed to building an inclusive community dedicated to teaching and learning within a diverse environment. The Faculty of Engineering seeks to attract active, culturally and academically diverse faculty members of the highest caliber and welcomes applications from highly qualified candidates with skills and abilities that will contribute to the values of equity, diversity and inclusion in research, teaching, and the workplace.

The Department of Computing and Software is one of the top departments for computing in Canada. We have 25 faculty members with expertise in computer systems, software engineering, theoretical computer science, security, privacy, data analytics, scientific computing, and bioinformatics. The department mentors over 900 undergraduate students in three programs: software engineering, computer science, and mechatronics engineering. It also mentors more than 120 graduate students in masters and doctoral

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programs in computer science and software engineering.

Qualified candidates in the following areas are strongly encouraged to apply: machine learning and its applications, smart systems, data analytics, security and privacy, and software engineering. Exceptional candidates in related areas will also be considered. Applicants will hold a doctorate in computer science, software engineering, or a related discipline, and must demonstrate a successful record of research, reflected in extramural grant acquisition and publication in high-quality peer-reviewed venues. The successful candidate will teach both undergraduate and graduate-level courses. They will also be expected to establish a strong externally-funded research program, supervise graduate students, and foster existing or new collaborations with other departments and faculties. Evidence of leadership skills, excellence in service, and a demonstrated ability to work effectively with individuals from diverse communities and cultures is also required. Registration, or eligibility for registration, by the Professional Engineers of Ontario is required

The successful candidates will have the opportunity to engage with faculty members and research staff associated with McMaster's world-class research and teaching laboratory facilities in software and data-intensive systems and data analytics areas, including: the McMaster Centre for Software Certification (McSCert), the McMaster Automotive Resource Centre (MARC), the

Shared Hierarchical Academic Research Computing Network (SharcNet), Advanced Optimization Laboratory (AdvOL), Computing Infrastructure Research Centre (CIRC), and the MacData Institute.

McMaster's large, attractive campus, the interior of which is open only to pedestrians and cyclists, is at the western end of Lake Ontario. The University is minutes from downtown Hamilton, a city rich in history and culture with a vibrant arts community. Nearby recreational and conservation attractions include Cootes Paradise, the Bruce Trail, the Niagara Escarpment, the Waterfront Trail, and the Royal Botanical Gardens. Surrounded by spectacular nature and unique neighbourhoods, Hamilton is ideally located halfway between Toronto and Niagara Falls.

The Faculty of Engineering at McMaster University has a reputation for innovative programs, cutting-edge research, leading faculty, and aspiring students. It has earned a strong reputation as a centre for academic excellence and innovation. The Faculty has over 180 faculty members, along with approximately 5,000 undergraduate and 1,000 graduate students. The Faculty of Engineering promotes a nurturing and inclusive environment where supportive resources are made accessible to assist with onboarding and opportunities are made available for continuous personal and professional growth.

Interested applicants should submit a letter of interest, curriculum vitae, a

research dossier that includes a statement of research interests and plans, a selection of research publications, a teaching dossier that includes a teaching philosophy, as well as evidence of teaching experience and effectiveness, along with the names of at least four references that speak to academic and research performance (with postal and email addresses). In both your research and teaching statements, please also describe how you will further equity and inclusion to advance McMaster University's commitment to fostering a culture that embraces and promotes the rich diversity of our campus community. Some current examples of activities include diversity-related programming, contributions to student success, committee work, and appropriate mentoring of individuals, especially those from groups that have been historically marginalized or disadvantaged.

Applicants are invited to complete a confidential Diversity Survey, as part of the application process, in efforts to broaden the diversity of our applicant pool and enhance talent acquisition processes. Information will be used in a manner that is consistent with inclusive, fair, equitable and transparent hiring practices which aim to advance academic and service excellence. <https://surveys.mcmaster.ca/limesurvey/index.php/627277?lang=en>

Complete applications must be made online at www.workingatmcmaster.ca/careers (Faculty Postings, Job # 26584) to the attention of:

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Chair
Department of Computing and Software
1280 Main Street West
McMaster University,
Hamilton, ON Canada L8S 4L7

Complete applications that are received by November 30, 2019, will receive full consideration. Review of applications will continue until the positions are filled. The effective date of appointment is negotiable, but July 1, 2020, is preferred. All applicants will receive an on-line confirmation of receipt of their application; however, only short-listed applicants will be contacted for interviews.

All qualified candidates are encouraged to apply; however, Canadian and Permanent Residents will be given priority. If you require any form of accommodation throughout the recruitment and selection procedure, please contact the Human Resources Service Centre at 905-525-9140 ext. 22-HR (22247).

To comply with the Government of Canada's reporting requirements, the University is obliged to gather information about applicants' status as either Permanent Residents of Canada or Canadian citizens. Applicants need not identify their country of origin or current citizenship; however, all applications must include one of the following statements:

Yes, I am a citizen or permanent resident of Canada

No, I am not a citizen or permanent resident of Canada

In keeping with its Statement on Building an Inclusive Community with a Shared Purpose, McMaster University strives to embody the values of respect, collaboration, and diversity and has a strong commitment to employment equity. The diversity of our workforce is at the core of our innovation and creativity and strengthens our research and teaching excellence. The University seeks qualified candidates who share our commitment to equity, diversity, and inclusion. While all qualified candidates are invited to apply, we particularly welcome applications from women, persons with disabilities, First Nations, Métis and Inuit peoples, members of visible minorities, and LGBTQ+ persons. Job applicants requiring accommodations to participate in the hiring process should contact the Human Resources Service Centre at 905-525-9140 ext. 222-HR (22247) to communicate accommodation needs.

Miami University

Computer Science & Software Engineering: Assistant/Associate Professor

Computer Science & Software Engineering: Assistant/Associate Professor (multiple tenure-track positions available) to provide undergraduate and graduate teaching of computer science and software engineering courses; establish a strong research program; advise students and supervise student research; provide service to the institution.

Required: Earned doctorate in computer science, software engineering, computer

engineering, or a related field by date of appointment; evidence of the ability to teach courses in computer science and/or software engineering. To be appointed to the rank of Associate Professor, require evidence of high-quality teaching and a record of high-quality scholarship/research.

Consideration may be given to candidates who specialize in computer graphics/vision, parallel and distributed computing, computing and network security, or software engineering; or those with a record of published research/scholarship in computer science or software engineering or experience teaching in higher education.

Submit cover letter, curriculum vita, statement of research plans, teaching philosophy and evidence of teaching ability (course evaluations, letter from supervisor, etc.) to <http://jobs.miamioh.edu/cw/en-us/496068>. Department will request letters of recommendation from references listed in application. For inquiries about posting, contact Dr. DJ Rao at cse.search@miamioh.edu. Screening of applications will begin November 1, 2019 and continues until the position is filled.

Miami University, an EO/AA employer, encourages applications from minorities, women, protected veterans and individuals with disabilities. Miami does not permit, and takes action to prevent, harassment, discrimination and retaliation. Requests for reasonable accommodations for disabilities related to employment should be directed to ADAFacultyStaff@MiamiOH.edu or

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513-529-3560. Annual Security and Fire Safety Report may be found at: <http://www.MiamiOH.edu/campus-safety/annual-report/index.html>. Criminal background check required. All campuses are smoke- and tobacco free.

Michigan State University

Computer Science and Engineering

Multiple faculty positions in different areas of Computer Science

The Department of Computer Science and Engineering in the College of Engineering at Michigan State University is in a phase of significant and sustained growth and expansion. We are pleased to invite applications at all ranks and in all areas of Computer Science, including those that intersect with other fields. Multiple tenure-system faculty positions are available.

The Department is looking for highly motivated applicants who can complement the department's strength and expertise. Cluster hires will also be considered. Candidates must have an earned PhD in computer science or a related field. Tenure-system computer science faculty are expected to establish a vibrant, sustainable and internationally visible research program; make significant scholarly contributions to their discipline; be an effective teacher and mentor of both undergraduate and graduate students; and engage in institutional and professional service as well as public outreach.

The Department has strong research programs in all major areas of

Computer Science and Engineering. The department has accredited B.S. degree programs in Computer Science and Computer Engineering. There are currently over 170 graduate students and 1,400 undergraduate students in the department. Department faculty are actively involved in leading several national-level centers, including BEACON, an NSF Center for the study of evolution in action that is headquartered at MSU. MSU's annual research expenditure is around \$695M. University researchers and scholars are internationally renowned and are facilitating broad social, economic and technological impact.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 470,000. Local communities have excellent school systems and place a high value on education. Michigan State University is pro-active in exploring opportunities for employment for dual career couples, both inside and outside the University. Information about MSU's dual career support can be found at <http://miwin.msu.edu/>

Interested individuals should submit their application through <http://careers.msu.edu> and refer to posting #605519. Applicants must submit (a) a cover letter summarizing their qualifications and highlighting up to five prominent works, (b) a detailed resume, (c) two vision statements: one describing their planned research program, and the other describing their teaching philosophy,

including mentoring, outreach, and promoting a diverse and inclusive environment, and (d) the names and contact information of at least three references. For full consideration, applications should be received before November 1, 2019. Applications will be reviewed on a continuing basis thereafter until all positions are filled. However, the search committee reserves the right to begin the evaluation process before November 1, 2019, and issue offers on a rolling basis. Therefore, interested individuals are encouraged to submit their application packet as soon as possible.

Nominations or questions are welcome by contacting the search committee chair at faculty-search-chair@cse.msu.edu

Michigan State University has been advancing the common good with uncommon will for more than 160 years. A member of the Association of American Universities, MSU is a research-intensive institution with 17 degree-granting colleges.

MSU is an affirmative-action, equal opportunity employer. MSU is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The university actively encourages applications or nominations of women, persons of color, veterans, and persons with disabilities.

Michigan State University

Machine Learning Algorithms and Applications Faculty

The Department of Computational Mathematics, Science and Engineering (CMSE), in partnership with the Departments of Biomedical Engineering, Computer Science and Engineering, and Electrical and Computer Engineering at Michigan State University invite applications for a tenure-system faculty position in the broad area of machine learning with a start date of August 16, 2020. This position would be a joint appointment between CMSE and one of the partner departments listed above. Candidates must have earned a PhD in computer science, applied or computational mathematics, applied statistics, or in a field of science or engineering but with substantial expertise in machine learning. The position will be filled at the assistant, associate or full professor level depending on the qualifications and record of the successful candidate. The candidate is expected to establish a sustainable research program, make significant scholarly contributions to their discipline, be an effective teacher and mentor of both undergraduate and graduate students, engage in institutional and professional service, and support MSU's diverse student population.

Exceptional candidates from all areas of machine learning will be considered, with a particular emphasis on areas pertaining to sequential data analysis, computer vision, generative models, reinforcement learning, and the theoretical foundations



Middlebury College

Tenure-Track Faculty Position in Computer Science

Middlebury College invites applications for a Tenure-Track faculty position in Computer Science, beginning in Fall 2020, with open specialization. For more information about the position and the application process, visit <https://apptrkr.com/1617040>. To be assured full consideration, applications should be received by November 1, 2019. An Equal Opportunity Employer, the College is committed to hiring a diverse faculty as we work to foster innovation in our curriculum and to provide a rich and varied educational experience to our increasingly diverse student body.



of machine learning. Candidates who focus on the development of new machine learning algorithms, as well as those who apply existing algorithms to novel problems in science and engineering, will be considered for this position. Domains of interest include (but are not limited to) biomedical imaging, single-cell genomics, inverse problems, autonomous driving, cybersecurity, computer graphics, natural language processing, and materials science. The ideal candidate should document high quality publications of research at premier peer-reviewed journals and conferences across machine learning and related application areas.

Michigan State University has made a bold new effort by launching the Department of Computational Mathematics, Science, and Engineering, recognizing that computational and data science is a fundamental area of research in the 21st century. The department seeks to create an interdisciplinary environment that fosters a new breed of researchers who will address emergent problems in science and engineering. The candidate's primary appointment will be in the Department of CMSE, and depending

on their research interests will have a minority appointment in either the Department of Biomedical Engineering, Computer Science and Engineering, or Electrical and Computer Engineering.

MSU enjoys a park-like campus with outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Lansing metropolitan area has a diverse population of approximately 470,000. Local communities have excellent school systems and place a high value on education. Michigan State University is proactive in exploring opportunities for employment for dual career couples, both inside and outside the University. Information about MSU's dual career support can be found at <http://miwin.msu.edu/>. Information about WorkLife at MSU and the College of Engineering can be found at <http://www.egr.msu.edu/WE>

Interested individuals should submit an application for this position through <http://careers.msu.edu> and refer to job #600895. Applicants must submit a detailed resume, a cover letter summarizing their qualifications, vision statements for teaching and research, and contact information for at least

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three references. For full consideration, applications must be received by November 15, 2019. Nominations or questions are welcome by contacting the search committee chair, Professor Brian O'Shea, through email at oshea@msu.edu

MSU is an affirmative action, equal opportunity employer. MSU is committed to achieving excellence through cultural diversity. The university actively encourages applications or nominations of women, persons of color, veterans and persons with disabilities.

Michigan Technological University

Assistant, Associate or Visiting Assistant Professors

Michigan Technological University's College of Computing and College of Engineering invites applications for the following positions.

Visiting Assistant Professor,
College of Computing

Applications received before October 20, 2019, will receive the highest priority

<https://www.jobs.mtu.edu/postings/8538>

Assistant Professor, Computer Science Department

<https://www.jobs.mtu.edu/postings/8535>

Assistant or Associate Professor, CNSA/MERET/HI Division, 2 positions

<https://www.jobs.mtu.edu/postings/8530>

Assistant or Associate Professor, College of Computing and College of Engineering, 5 positions

<https://www.jobs.mtu.edu/postings/8604>

Michigan Tech is building a culturally diverse faculty committed to teaching and working in a multicultural environment and strongly encourages applications from all individuals.

Michigan Tech is an ADVANCE institution, and has twice received National Science Foundation funds in support of efforts to increase diversity, inclusion, and the participation and advancement of women and underrepresented individuals in STEM. Michigan Tech actively supports dual-career partners to retain a quality workforce. Candidates are invited to bring a guest to an on-campus interview and we offer career exploration advice and assistance finding positions at the University and in the local community <https://www.mtu.edu/provost/programs/partner-engagement>.

The College has 32 faculty members, 650 undergraduate students in five degree programs (Computer Science, Software Engineering, Computer Network and System Administration, Cybersecurity, and Electrical Engineering Technology) and 90 graduate students in four MS

degree programs (Computer Science, Cybersecurity, Health Informatics, and Mechatronics) plus the PhD in Computer Science. Michigan Tech is an internationally renowned doctoral research university with 7,100 students, and 400 faculty located in Houghton, Michigan, in the scenic Upper Peninsula on the south shore of Lake Superior. The area provides a unique setting where natural beauty, culture, education, and a diversity of residents from around the world come together to share superb living and learning experience.

Review of applications begins immediately and continue until the positions are filled. Applications should be submitted online at <https://www.mtu.edu/hr/job-postings/>.

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer, which includes providing equal opportunity for protected veterans and individuals with disabilities.

Michigan Tech does not discriminate on the basis of race, creed, color, national origin, sex, marital status, sexual orientation, gender identity, age, disability, religion, honorably discharged veteran or military status, or the use of a trained guide dog or service animal by a person with a disability. Persons requiring reasonable accommodation in the application process or requiring information in an alternative format should contact Human Resources at mtujobs@mtu.edu or 906/487-2280.

Professional Opportunities

Middle Tennessee State University

*Tenure-Track
Assistant/Associate Professor*

The Department of Computer Science at MTSU (<http://www.mtsu.edu/csc/>) invites applications for three assistant/associate professor tenure-track positions beginning August 1, 2020.

Qualified applicants are encouraged to apply for both postings. When applying for both postings, a complete, separate application needs to be submitted for each posting.

Applicants for all positions must hold a doctorate degree in computer science or related field by August 1, 2020. All positions require a commitment to excellence in both teaching and research. The successful applicant must be willing to teach both undergraduate and graduate courses and engage students (including undergraduates) in research.

For posting 1 (one position) - Computer Science (Data Science program).

Tenure-Track Faculty - The successful applicant would have interdisciplinary research interests that fit within the Data Science program at MTSU. Applicants are invited from all areas of computer science, but we are particularly interested in applicants whose research is in the fields of cloud computing, high-performance computing, or data science. Applications can be submitted at <https://mtsujobs.mtsu.edu/postings/8655>.

For posting 2 (two positions) - Computer Science, Tenure-Track Faculty

- Applicants are invited from all areas of computer science, but we are particularly interested in applicants with a background in high-performance computing, cyber security, machine learning, mobile computing, or data science. Applications can be submitted at <https://mtsujobs.mtsu.edu/hr/postings/8653>

The Department offers both BS and MS degrees and has close ties with the Data Science program and the Computational Sciences PhD Program. The BS with concentration in Professional Computer Science program is ABET accredited. There are over 500 undergraduate and graduate majors.

MTSU is a Carnegie classified Doctoral/Research University (DRU) with over 23,000 students, and is located 35 miles south of Nashville in Murfreesboro, TN.

Apply at <https://mtsujobs.mtsu.edu/>. Include cover letter, curriculum vitae, statement of teaching philosophy, and research statement. If selected for an on-campus interview, letters of recommendation will be solicited automatically providing a link for response. Official transcripts (not issued to student) of all degrees are required prior to the interview. Inquiries to Dr. Medha Sarkar (Medha.Sarkar@mtsu.edu), Dept. of Computer Science, MTSU Box 48, 1301 E. Main St., Murfreesboro, TN 37132. Application review begins October 30th, 2019

and continues until the position is filled. Call 615-898-5128 for application process questions. EO/AA Employer.

Mississippi State University

Faculty Positions in Computer Science and Engineering

The Department of Computer Science and Engineering (<http://www.cse.msstate.edu>) is seeking two new tenure-track faculty at the rank of Assistant Professor or Associate Professor in the area of Cybersecurity.

Mississippi State University is a comprehensive land-grant institution with over 22,000 students and 1,300 faculty members. The Department of Computer Science and Engineering offers a B.S. in computer science, software engineering, and computer engineering. It also offers an M.S. in computer science and cyber security operations, and a Ph.D. in computer science. In the last fiscal year, department's research expenditures totaled approximately \$10 million, and the university as a whole is ranked 60th among U.S. institutions in computer science expenditures.

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

funding. However, recent graduates with exceptional academic credentials are encouraged to apply. Preference will be given to individuals with a track record of interdisciplinary research collaboration.

Candidates must apply at: <http://explore.msujobs.msstate.edu/cw/enus/job/499263?l=ApplicationSubSourceID> and attach a cover letter, curriculum vitae, names and contact information for at least three professional references, and a statement (limited to three pages) that describes research and educational interests. Review of applications has begun and will continue until the position is filled.

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

Mississippi State University

Faculty Positions in Computer Science and Engineering

The Department of Computer Science and



Assistant Professor - Computer Science/Software Engineering

The Department of Computer Science and Software Engineering invites applications for two tenure-track Assistant Professor positions beginning Fall 2020. Exceptional candidates in all areas of computer science and software engineering are encouraged to apply. Areas of particular interest include, but are not limited to, cybersecurity, software design, software testing, user experience, software process, and software project management. Interest in application of these areas to data science projects will be a bonus.

Candidates must have completed a doctorate degree in computer science, software engineering, or a related discipline by the expected start date. The candidates should be committed to teaching software engineering, computer science, and information systems courses at both graduate and undergraduate levels. The candidates will have opportunities to engage in interdisciplinary research collaborations across the university and with companies in the vibrant Jersey Shore technology corridor.

The successful applicants will teach 9 credits per semester of undergraduate and graduate courses; actively mentor and advise students; maintain an active research program engaging undergraduate and graduate students; seek external funding to support the research program; and serve on committees at the department, school and university levels.

Monmouth University's Department of Computer Science and Software Engineering offers undergraduate degrees in Computer Science and Software Engineering (two undergraduate programs are ABET-accredited), and Master of Science degrees in Computer Science, Software Engineering and Information Systems. The department is developing a Master of Science in Data Science degree that will start in the fall of 2021. Women and minorities are encouraged to apply.

To Apply, visit:

<http://apptrkr.com/1627552>

Engineering (<http://www.cse.msstate.edu>) is seeking new tenure-track faculty at the rank of Assistant Professor or Associate Professor. All areas of Computer Science are considered but preference is given to Artificial Intelligence and Data Science.

Mississippi State University is a comprehensive land-grant institution with over 22,000 students and 1,300 faculty members. The Department of Computer Science and Engineering offers a B.S. in computer science, software engineering,



HEAD AND PROFESSOR DEPARTMENT OF COMPUTER SCIENCE

National University of Singapore (NUS) seeks to appoint a distinguished scholar, with outstanding academic and administrative leadership record as Head, Department of Computer Science. The new Head will build upon the strengths and illustrious achievements of the Department and lead the Department in all administrative and academic matters, including strategic planning, research and program development and funding.

The Department of Computer Science, with over 80 faculty members, has a long track record in grooming leaders for the digital economy. The Department currently has approximately S\$160 million of funded research from various granting agencies and its internationally recognized faculty members conduct research in the areas of Artificial Intelligence, Database Management, Media, Systems and Networking, Computational Biology, Theoretical Computer Science, Programming Languages and Software Engineering.

Established in 1998, NUS School of Computing has two Departments: Computer Science and Information Systems & Analytics. It has a student population of about 4,400, out of which 800 are graduate students. For more information, please visit: www.comp.nus.edu.sg

NUS is Singapore's flagship university which offers a global approach to education and research with a focus on Asian perspectives and expertise. Its 17 faculties and schools provide a broad-based curriculum underscored by multi-disciplinary courses and cross-faculty enrichment. Its transformative education includes programmes such as student exchange, entrepreneurial internships at 11 NUS Overseas Colleges, as well as double degree, concurrent degree, and joint degree programmes with some of the world's top universities.

NUS is an equal opportunity employer that offers highly competitive salaries and is situated in Singapore, an English-speaking cosmopolitan city that is a melting pot of many cultures, both the east and the west. Singapore offers high-quality education and healthcare at all levels, as well as very low tax rates.

Please send applications and nominations, with detailed curriculum vitae with a list of publications, research and teaching statements together with the names/contacts of at least three references by **15 December 2019** to Distinguished Professor Ooi Beng Chin, Chair of Head Search Committee at the e-mail address cshodrec@comp.nus.edu.sg.

funding. However, recent graduates with exceptional academic credentials are encouraged to apply. Preference will be given to individuals with a track record of interdisciplinary research collaboration.

Candidates must apply at: <http://explore.msujobs.msstate.edu/cw/enus/job/499120?ApplicationSubSourceID> and attach a cover letter, curriculum vitae, names and contact information for at least three professional references, and a statement (limited to three pages) that describes research and educational interests. Review of applications has begun and will continue until the position is filled.

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

and computer engineering. It also offers an M.S. in computer science and cyber security operations, and a Ph.D. in computer science. In the last fiscal year, department's research expenditures totaled approximately \$10 million, and the university as a whole is ranked 60th among U.S. institutions in computer science expenditures.

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

Molloy College

tenure-Track Faculty Position

The Department of Mathematics and Computer Studies at Molloy College invites applications for two tenure-

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track positions, one in Computer Information Systems (CIS) and one in Computer Science (CSC), both at the rank of Assistant Professor to begin on September 1, 2020. Emphasizing student-centered education and personal attention, the Department caps all classes at 15 or 25 students. The primary professional responsibilities of Molloy's faculty are: teaching, research, scholarship and/or creative activity, and service to the College, the profession and to the community. These responsibilities generally include: advising students, and participation in department, school, and campus-wide committees.

Minimum Qualifications: 1. Ph.D. in Computer Science, Information Technology, or a related field. Consideration will be given to an ABD. A strong commitment to undergraduate teaching.

Preferred Qualifications: 1. Evidence of training and experience in one or more of the following areas: Cyber Security, Artificial Intelligence, Software Engineering, Programming Language Theory, Parallel and Distributed Systems, Data Analysis, Health Information Systems, Cloud Computing, Mobile/ Web Application Development, Human-Computer Interaction, Internet of Things, Computational Complexity Theory, Computability Theory, and/or Algorithmic Information Theory. 2. An ability to involve students in research and/or to provide them with industry-based experience. 3. History of securing external grants.

4. Willingness to develop new courses in emerging and innovative technology in alignment with other departments, programs and initiatives at Molloy.

TO APPLY:

Applicants should submit a letter of application, CV, transcripts, three letters of recommendation, at least one of which should discuss the applicant's teaching, and the Molloy College Application.

Please submit all application materials in one submission to humanresources@molloy.edu with Computer Information Systems or Computer Science in the subject line. Review of applications and interviews will begin in November 2019 and will continue until positions are filled.

Muhlenberg College

Assistant or Associate Professor of Computer Science

The Muhlenberg College Department of Mathematics and Computer Science seeks to fill a tenure-track position in computer science at the assistant or associate professor level to begin in the fall of 2020. A Ph.D. in Computer Science or a closely related field is required by August 2020 and all areas of specialty will be considered. As an equal opportunity employer, Muhlenberg College is committed to recruiting and retaining outstanding faculty and staff from racial and ethnic groups that have been traditionally underrepresented in higher education.

To apply please visit <https://tinyurl.com/muhlenbergcssearch2019>. A list of required application materials can be found in the preceding link.

Complete applications received by October 31, 2019 will receive full consideration.

New College of Florida

Assistant Professor of Computer Science

New College of Florida invites applications for a tenure-track Professor of Computer Science (rank open) starting August 2020. We seek an individual to contribute to an innovative and growing computer science program in a liberal arts context. We welcome applications in all specialties, especially Artificial Intelligence, Systems, or Graphics. The teaching load is two classes per semester, plus supervision of tutorials, independent study projects, and senior theses.

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

NCF is an EEO employer.

ncf.simplehire.com/applicants/Central?quickFind=51452

New York University Courant Institute

Tenure-track Positions in Computer Science

The Computer Science department expects to have several regular faculty

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positions and invites candidates at all levels to apply. We will consider outstanding candidates in any area of computer science, in particular in verification, programming languages, and machine learning for healthcare.

Faculty members are expected to be outstanding scholars and to participate in teaching at all levels from undergraduate to doctoral. New appointees will be offered competitive salaries and startup packages.

The department has 43 regular faculty members as well as clinical, research, adjunct, and visiting faculty members. The department's current research interests include algorithms, cryptography and theory, computational biology, distributed computing and networking, graphics, vision and multimedia, machine learning and data science, natural language processing, scientific computing, and verification and programming languages.

Collaborative research with industry is facilitated by geographic proximity to computer science activities at AT&T, Facebook, Google, IBM, Bell Labs, NEC, and Siemens.

Please apply at
<https://apply.interfolio.com/68166>

For full consideration, we recommend that applicants apply by December 1, 2019, though we will continue to review applications past that date as needed.

EOE/AA/Minorities/Females/Veterans/
Disabled/Sexual Orientation/Gender Identity

Northeastern University

Lecturer/Assistant/Associate/Full Teaching Professor-Boston

Founded in 1898, Northeastern is a global research university and a world leader in experiential learning. The same commitment to connecting with the world drives our use-inspired research enterprise. The university offers a comprehensive range of undergraduate and graduate programs leading to degrees through the doctorate in nine colleges and schools. Our campuses in Charlotte, N.C., San Francisco, Seattle, and Toronto are regional platforms for undergraduate and graduate learning and collaborative research. Northeastern pursues advanced research in security and materials at the Innovation Campus in Burlington, Massachusetts, and in coastal sustainability at the Marine Science Center in Nahant, Massachusetts.

The Khoury College of Computer Sciences at Northeastern University invites applications for one or more positions at the rank of Lecturer/Assistant Teaching Professor/Associate Teaching Professor/ Full Teaching Professor beginning September 2020 at our campus in Boston. In Boston we offer undergraduate, masters, and PhD programs. We are seeking highly-motivated individuals committed to excellence in teaching. Full-time appointments at all ranks are renewable, career-focused non-tenure-track positions with responsibilities in teaching and service. Primary responsibilities include teaching undergraduate and graduate courses.

We are seeking faculty who can teach in one or more of the following areas: Computer Science, Data Science, Cybersecurity and Health Informatics. The successful candidate will create course content and materials and collaborate with colleagues to develop new academic relationships within the university and the business community. Student advising and service to the college and university are an integral component of the position. Opportunities for research and scholarship are possible on the teaching track (with a reduced course load) and several of our teaching track faculty are highly research active.

Khoury College has grown rapidly over the last five years in response to increased student demand at the BS, MS, and PhD level and will continue this rapid growth for the next few years. We invite you to join a fast-moving, ambitious college with an underlying mission that is embodied by our motto of "CS for Everyone." Khoury College is committed to diversity and inclusion in computer science. We aim to establish a computing population—students, faculty, researchers, and staff—that reflects today's global society.

Northeastern University is home to 35,000 full/part-time graduate and undergraduate students and to the nation's premier cooperative education program. The past decade has witnessed a dramatic increase in Northeastern's international reputation for research and innovative educational programs. A heightened focus on interdisciplinary research and education is driving a faculty hiring

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initiative at Northeastern, advancing its position amongst the nation's top research universities.

Candidates must hold a PhD in Computer Science or related degree from an accredited institution by the start date. Teaching experience at the undergraduate and graduate levels is strongly preferred. Rank of appointment at either the Lecturer, Assistant Teaching Professor, Associate Teaching Professor, or Full Teaching Professor level will be determined on prior teaching experience and will be discussed with candidates during the interview process.

Successful candidates will have demonstrated an expert grasp of knowledge of the field at all levels and be creative in their approach to teaching in an environment of cooperative, interdisciplinary and experiential education. Strong written, oral and interpersonal skills are required in order to communicate effectively with students in person and online.

Please submit a cover letter of interest highlighting teaching accomplishments and relevant professional experience, a curriculum vitae, and the names and contact information of at least three references.

Compensation is commensurate with qualifications and includes an outstanding benefits package.

To apply for this position please click here: <https://careers.hrm.northeastern.edu/en-us/job/501834/lecturerassistantassociatefull-teaching-professorboston>

For more information about the College, please visit <http://khoury.northeastern.edu/>. Northeastern University is located on the Avenue of the Arts in Boston's historic Back Bay. The College occupies a state of the art building opposite Boston's Museum of Fine Arts.

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

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

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

Northeastern University

Assistant/Associate/Full Professor

The Khoury College of Computer Sciences invites applications for several tenure-track and tenured faculty positions, beginning in Fall 2020. Applicants at all ranks will be considered. Candidates will be considered from all areas in Computer Science. Candidates are expected to have or to develop an independently funded

research program of international caliber and to participate in undergraduate and graduate teaching.

Khoury College has a diverse tenure/tenure-track faculty of 65, and offers a broad array of research and educational opportunities to students. Since 2012, the college has hired 46 outstanding faculty members, and plans to continue this strategic growth in the coming years. Faculty research spans all areas of computing and is interdisciplinary across seven of Northeastern's colleges; 18 of the 65 faculty have joint appointments with other academic departments, including Electrical and Computer Engineering, Art and Design, Health Sciences, Nursing, Communication Sciences and Disorders, Physics, Political Science, Psychology, Philosophy and Religion, Business, Mathematics, and Law. Khoury faculty members are integral to Northeastern University's multidisciplinary institutes including the Network Science Institute and the Cybersecurity and Privacy Institute.

The college offers 3 undergraduate degrees (CS, Data Science and Cybersecurity); 7 MS degrees (CS, Health Informatics, Data Science, Cybersecurity, Game Science and Design, Artificial Intelligence, and Robotics) and 4 PhD degrees (CS, Network Science, Personalized Health Informatics, and Cybersecurity). Several of these are interdisciplinary degrees with other Colleges at Northeastern.

Khoury College is committed to broadening participation in CS to increase

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diversity of thought and demographics. For undergraduates Khoury offers 36+ combined majors (CS+X) and has recently launched the Center for Inclusive Computing, which has the mission to broaden participation in undergraduate computing programs nationally. At the graduate level Khoury is now scaling its successful Align MS in CS program for people who did not study CS as an undergraduate. This includes building a consortium of universities in the U.S. to offer similar programs.

Khoury College has grown rapidly over the last five years in response to increased student demand at the BS, MS and PhD level and projects a continuation of this growth for the next few years. We invite you to join a fast-moving, ambitious college with an underlying mission that is best captured by the phrase “CS for Everyone.”

Northeastern University is home to 27,000 full- and part-time students and to the nation’s premier cooperative education program. The past decade has witnessed a dramatic increase in Northeastern’s international reputation for research and innovative educational programs. A heightened focus on interdisciplinary research and scholarship is driving a faculty hiring initiative at Northeastern, advancing its position amongst the nation’s top research universities. Khoury College has been a major participant in this initiative and will continue the efforts this year, with additional interdisciplinary searches ongoing in related areas. Northeastern University has seven

campuses located in Boston (the primary home of our tenure/tenure-track faculty), Seattle, San Francisco, San Jose, Charlotte, London, Vancouver and Toronto – As of January 2020, Khoury will be offering the MS in CS and the Align MS in CS at 6 of the 7 campuses. For more information about the College, please visit <https://www.khoury.northeastern.edu>. Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2019. However, applications will be accepted until the search is completed.

Additional information and instructions for submitting application materials may be found at the following web site: <https://www.northeastern.edu/hrm/careers/index.html>

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

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

To learn more about Northeastern University’s commitment and support of diversity and inclusion, please see www.northeastern.edu/diversity.

Northwestern University

Tenure-track faculty in Computer Science - all levels

Northwestern University continues our ambitious initiative to grow and transform Computer Science (CS) [<http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html>]. We are in the midst of adding twenty new tenure-track faculty—ten in core Computer Science, and ten collaboratively with other disciplines (CS + X)—as well as a number of non-tenure track teaching faculty. We seek outstanding candidates with a clear passion to make a difference in Computer Science and who are excited by the opportunity to help build the future of CS at a great University.

We invite candidates to apply for new positions as Assistant, Associate and Full Professor of Computer Science. We are interested in applications from outstanding candidates in all areas of Computer Science. We also encourage applicants to CS + X faculty positions [<https://www.mccormick.northwestern.edu/computer-science/cs-plus-x/>] jointly with other schools or departments at Northwestern, for individuals and teams exploring new research boundaries in computation. In the last few years, we have hired jointly with Statistics, Learning Sciences, and Journalism, and we remain committed to interdisciplinary research leveraging Northwestern’s unique strengths and world class schools in many areas. Priority in all areas will be

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given to applicants with path-breaking research interests that have the potential to transform both Computer Science and other disciplines.

Northwestern is a world-leading research and teaching university with an unrivaled combination of excellent schools that provide extraordinary opportunities for collaboration across a wide range of disciplines. Located in beautiful Evanston, on the shores of Lake Michigan, just outside of Chicago, a diverse and culturally vibrant world-class city, Northwestern faculty have ample opportunities to connect with the city's growing technology sector.

We encourage candidates to send applications as soon as possible. Applications received by December 1, 2019, will be given full consideration. However, the positions will remain open until filled.

Applicants should submit: (1) a cover letter indicating rank applied for, (2) a curriculum vitae, (3) three to five references, (4) statements of research and teaching interests, and (5) two representative publications.

For general questions about the search or application assistance post submission, contact apply-facsearch@cs.northwestern.edu.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities.

Women, underrepresented racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Apply Here: <https://facultyrecruiting.northwestern.edu/apply/NzE4>

Northwestern University

Computer Science Faculty of Instruction

Northwestern University is pursuing an ambitious commitment to grow and transform Computer Science (CS) [<http://www.northwestern.edu/newscenter/stories/2016/06/major-expansion-in-computer-science.html>]. As part of transforming and scaling computer science education, we seek outstanding candidates for non-tenure track teaching faculty in all areas and at all levels, with a clear passion to make a difference in Computer Science and who are excited by the opportunity to help build the future of CS at a great university.

We invite candidates to apply for a non-tenure-track chair, the McCormick Advisory Council Professor of Instruction in Computer Science. The successful applicant will be an extraordinary teacher and mentor, combining strong and deep knowledge of Computer Science with a passion to convey that knowledge to a broad variety of Northwestern students. They will go well beyond delivering entry-level service courses to create a learning

environment that motivates students to enroll, to work, to learn, and to find new applications of Computer Science that shape their careers and the world beyond. This is a multi-year, renewable position.

Applicants should have earned a Ph.D. in Computer Science or a closely related field. Candidates will be considered at the Assistant or Associate level depending on experience. Faculty of Instruction typically teach two courses per term and are involved in advising students and in departmental curriculum development.

Applicants should submit:

1. a cover letter,
2. a curriculum vitae,
3. three to five letters of reference which can speak to the applicant's teaching abilities,
4. statement of teaching philosophy,
5. recent teaching evaluations (if available),
6. a teaching demonstration video (if available). Upload instructions are found at <https://www.mccormick.northwestern.edu/computer-science/resources/careers-computer-science.html>

For general questions about the search or application assistance post submission, contact apply-facsearch@cs.northwestern.edu. Review of materials will begin on December 1, 2019, and applicants are strongly encouraged to submit their materials before that date. Applications received after that date will be considered on a rolling basis.

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Apply Here: <https://facultyrecruiting.northwestern.edu/apply/NzE5>

Oakland University

Tenure-Track faculty in Computer Science

The Department of Computer Science and Engineering needs to fill two tenure track faculty positions - one tenure-track assistant professor position (the candidates of which should upload their application at <http://jobs.oakland.edu/postings/17688>), and one tenure-track open rank position (the candidates of which should upload their application at <http://jobs.oakland.edu/postings/17669>). The department is looking for candidates in the broad area of Artificial Intelligence (AI), although outstanding candidates in other related areas will also be considered. The position will begin on August 15, 2020. Applicants must have completed a Ph.D. in Computer Science, or a closely related field by the appointment date. Candidates must show exceptional promise in both research and teaching. Candidates should have an appreciation of and commitment to the value of diversity and working with a diverse faculty and student body.

Review of applications will begin on November 15, 2019 and continue until the positions are filled. Applicants should submit a letter of intent, a statement of research, a statement of teaching, resume, a diversity statement and three references. The diversity statement will describes their interest or efforts in furthering diversity and inclusion e.g.

through mentoring, pedagogy, activism, faculty recruitment/retention or research on issues related to diversity and social inequality. The teaching statement should include a list of undergraduate and graduate courses that the applicant will be willing to teach as well as outlines of two courses that the applicant would like to introduce. Information about the current courses offered by the department is available on the departmental website at <http://www.cse.secs.oakland.edu>.

The department is currently offering BS degrees in Computer Science and in Information Technology, MS degrees in Computer Science, in Cyber Security and in Software Engineering and Information Technology, and a Ph.D. in Computer Science and Informatics. For information about the department and Oakland University, please visit the respective homepages.

Oakland University is a nationally recognized doctoral university of high research activity located on 1,443 acres of scenic land in the cities of Rochester Hills and Auburn Hills in Oakland County, Michigan. The University has 142 bachelor's degree programs and 138 graduate degree and certificate programs. Academics include programs in the College of Arts and Sciences, School of Business Administration, School of Education and Human Services, School of Engineering and Computer Science, School of Health Sciences, School of Medicine and School of Nursing.

Creating and maintaining a diverse, equitable and inclusive campus is a

strategic priority for Oakland University. To this end, we are seeking applications from individuals who are interested in and committed to supporting our Diversity, Equity and Inclusion institutional values. It is the policy of Oakland University that there shall be no discrimination on the basis of race, sex, color, religion, national origin or ancestry, age, height, weight, familial status, marital status, disability, creed, sexual orientation, veteran status or other prohibited factors in employment, admissions, educational programs or activities. Oakland University, as an equal opportunity/affirmative action institution, is committed to compliance with federal and state laws prohibiting discrimination, including Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973. Inquiries or complaints may be addressed to Oakland University, Director of the Office of Diversity, Equity and Inclusion, Oakland Center Suite 150, 312 Meadow Brook Dr., Rochester, Michigan 48309-4401

Occidental College

Music Audio/Music/Sound Engineering Postdoctoral Fellowship

Occidental College is searching for a full-time postdoctoral scholar-practitioner in audio/music/sound engineering with an ability to teach applied signal processing at the undergraduate level. This is a fixed-term appointment based in Los Angeles, California.

Read here for the full fellowship description: https://www.oxy.edu/sites/default/files/assets/HR/Faculty/music_mellon_postdoctoral_fellow_jd_final-9-26-19.pdf

Occidental College, Los Angeles, CA

Computer Science Postdoctoral Fellowship

Occidental College is searching for a full-time postdoctoral fellow in the area of Computational Media focusing on Virtual and Augmented Reality, Computer Graphics, Computational Geometry, or a related field. This is a fixed-term appointment based in Los Angeles, California.

Read here for the full fellowship description: [Mellon Search](#)

Oregon State University, College of Engineering

Multiple Faculty Positions In Cybersecurity

The School of Electrical Engineering and Computer Science at Oregon State University invites applications for two or more full-time, nine-month, tenure-track faculty positions in any area of cybersecurity including but not limited to systems security (operating systems, distributed systems, networked systems, embedded systems, real-time systems, cyber-physical systems, and energy delivery systems), hardware security,

software security, privacy, cryptography and usable security. Appointment will start in Fall 2020 and is anticipated at the Assistant Professor rank, but candidates with exceptional qualifications may be considered for appointment at the rank of Associate or Full Professor. Applicants must hold a Ph.D. degree in Computer Science, Electrical and Computer Engineering, or closely related discipline, and should demonstrate a strong commitment and capacity to initiate new funded research as well as to expand, complement, and collaborate with existing research programs in the OSU College of Engineering and beyond. Furthermore, applicants should demonstrate a strong commitment to undergraduate and graduate teaching, including developing new courses related to their research expertise. Applicants are also expected to mentor students and promote equitable outcomes among learners of diverse and underrepresented identity groups.

Oregon State University is located in Corvallis, at the heart of Oregon's Willamette Valley and close to Portland's Silicon Forest with numerous collaboration opportunities. The School of EECS has 60 tenured/tenure-track faculty members and 435 graduate students (225 Ph.D. students). Among the faculty, we have one member of the National Academy of Engineering, 18 professional society (IEEE and ACM) fellows, and 25 Young Investigator/CAREER Award recipients. Many faculty members of the School of EECS are also active participants of the recently established Collaborative Robotics and

Intelligent Systems (CoRIS) Institute.

Corvallis has been ranked #1 on a list of "Best Places for Work-Life Balance", and is within easy reach of Portland, Eugene, the Cascade mountain range, and the Oregon Coast. Oregon State University has a strong institutional commitment to diversity and multiculturalism and provides a welcoming atmosphere with unique professional opportunities for leaders from underrepresented groups. OSU seeks diversity as a source of enrichment for our university community. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who share our vision of an inclusive community. The College of Engineering ranks high nationally in terms of the percentage of women faculty, and the university supports dual-career applications.

Apply online at <https://jobs.oregonstate.edu/postings/80403> (posting #P03I57UF) with the following documents: A letter of interest; vita; a two-page statement of research interests; a one-page statement of teaching interests; a one-page statement on efforts towards equity and inclusion; and names and contact information for at least three references. To be assured full consideration, applications must be received by November 15, 2019.



Professional Opportunities



Tenure-Track and Tenured Faculty Positions in Cybersecurity and Privacy

The College of Information Sciences and Technology (IST) at The Pennsylvania State University, as part of a major multi-year faculty hiring initiative in cybersecurity and privacy, invites applications for multiple, open-rank, tenured/tenure-track faculty positions beginning in fall 2020. We seek outstanding candidates with a strong track record of research to strengthen and complement our current research programs. We are interested broadly in all areas of cybersecurity and privacy, including, but not limited to: Blockchain security, cryptocurrencies, applied crypto; Cybercrime and cyber law, dark web; Cyber Physical System (CPS) Security, IoT security, security of autonomous systems; Cybersecurity operations and analytics, cybersecurity analytics methodologies, machine learning system security, machine learning for security; Privacy: privacy by design, privacy preserving, secure multi-party computation, differential privacy, etc.; Human Factors of cybersecurity and privacy, economics of cybersecurity; Systems, software, network, mobile/wearable security and privacy. All candidates must have or expect to graduate with a Ph.D. or a terminal degree in computer and information science or a closely related field. Successful candidates are expected to develop an internationally competitive, externally funded research program, and contribute to graduate and undergraduate teaching. Successful candidates for the Assistant Professor position should have a Ph.D. in a relevant field prior to beginning employment at Penn State and should demonstrate strong research potential and commitment to graduate and undergraduate education; Candidates for the Associate Professor position should have a Ph.D. and a strong track record of research, publications, and funding; Candidates for the Full Professor position should have a Ph.D. and a track record of research, publications, and funding that distinguishes them, nationally or internationally, as leaders in Cybersecurity. All candidates must pass a background check before beginning employment. The College of IST offers a highly collaborative interdisciplinary research environment with a strong, externally funded research program in cybersecurity and privacy. Additional opportunities for research collaboration are offered by other colleges at Penn State and by the Institute for CyberScience, the Social Sciences Research Institute, and the Huck Institutes of the Life Sciences. The College has a strong Ph.D. program with over 130 Ph.D. students, and a rapidly growing Bachelor of Science major in Cybersecurity. To Apply: Visit <https://apptkr.com/1636804> and upload your basic personal information. In Addition, applicants must submit the following material to <https://academicjobsonline.org/ajob/jobs/14726>: cover letter, Curriculum Vitae, 2-5 page research statement, 1-2 page teaching statement, and 3-5 references. Review of applications will begin immediately and will continue until positions are filled. To receive full consideration, applicants should submit their materials by December 15, 2019. Inquiries about the position may be directed to <mailto:facultyrecruiting@ist.psu.edu>. The Pennsylvania State University is the land grant institution of Pennsylvania. University Park is the largest of Penn State's 24 campuses, with undergraduate enrollment of approximately 44,000 students and offering more than 150 programs of graduate study. The College of IST has award-winning faculty and state-of-the-art facilities. Both faculty and students are dedicated to collaboration and applying knowledge to make our lives better. University Park is located in State College, Pennsylvania, which is ranked the 3rd safest metropolitan area in the United States by CQ Press, and the 8th best college town in the nation by Best College Reviews.

Apply online at <https://apptkr.com/1636804>

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

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



Tenure-Track and Tenured Faculty Positions in Artificial Intelligence (AI)

The College of Information Sciences and Technology (IST) at The Pennsylvania State University, as part of a major multi-year faculty hiring initiative in Artificial Intelligence (AI), invites applications for multiple, open-rank, tenure-track faculty positions in AI beginning in Fall 2020. The new hires will build on the College's existing strengths in artificial intelligence, data sciences, biomedical informatics, as well as a number of interdisciplinary research areas. Review of applications begins on December 15, 2019, and will continue until positions are filled. We seek outstanding candidates with a strong track record of research and publications in one or more area(s) of AI including, but not limited to general AI, machine learning, planning and acting, decision-making, causal inference, explainable AI, multi-agent systems and reasoning under uncertainty, game theory, knowledge representation, natural language processing, computer vision, affective computing, and human-machine communication and collaboration. We are especially interested in candidates whose research contributes to AI for social good and socially responsible AI (e.g., fairness, accountability, and transparency), applying artificial intelligence to address societal challenges in health, social care, sustainability, energy, environment, and security. Successful candidates for the Assistant Professor position should have a Ph.D. in a relevant field (e.g. Artificial Intelligence, Machine Learning, Informatics, Computer Science, Data Sciences) prior to beginning employment at Penn State and should demonstrate strong research potential and commitment to interdisciplinary research and education; Candidates for the Associate Professor position should have a Ph.D. and a strong track record of research, publications, and funding; Candidates for the Full Professor position should have a Ph.D. and a track record of research, publications, and funding that distinguishes them, nationally or internationally, as leaders in Artificial Intelligence.

All candidates must pass a background check before beginning employment. To apply, please visit <https://psu.jobs> and upload only basic personal information (but not other information listed below). In addition, applicants must submit the following materials to <https://academicjobsonline.org/ajob/jobs/91038>: a cover letter detailing the relevant qualifications for the position; a curriculum vitae including publications list; a 2-5 page research statement outlining future research plans, and a 1-2 page teaching statement. Applicants for the Assistant Professor position should also arrange for at least 3 references, and those for the Associate or Full Professor position should arrange for at least 4 references, to be submitted via AcademicJobsOnline. Inquiries about the position may be directed to <mailto:facultyrecruiting@ist.psu.edu>. The Pennsylvania State University is the land grant institution of Pennsylvania. University Park is the largest of Penn State's 24 campuses, with approximately 46,000 undergraduates and more than 150 graduate programs. Penn State offers access to an outstanding collaborative environment, world-class research infrastructure, as well as highly competitive salaries and startup packages. The surrounding community of State College is a quintessential university town well known for its safe metropolitan area, exceptional quality of life including a low cost of living, a growing economy, a diverse offering of cultural and recreational opportunities, and excellent resources for families, including two on-campus child care centers and well regarded local school systems. The College of IST at Penn State has a growing cadre of faculty with research expertise in informatics and data sciences (including artificial intelligence, machine learning, information integration, image analytics, text analytics, data privacy, and data ethics). IST offers a highly collaborative interdisciplinary research environment, strong research programs in data sciences, artificial intelligence, human-computer interaction, information security and privacy, and socio-technical systems, a strong Ph.D. program in informatics, and several highly successful undergraduate programs (including one in Data Sciences). See: <http://ist.psu.edu/>. Additional collaborative opportunities are offered by the Institute for CyberScience, the Huck Institutes of the Life Sciences, the Institute for Energy and Environment, the Social Science Research Institute, the Materials Research Institute, and the Clinical and Translational Sciences Institute.

Apply online at <https://apptkr.com/1633787>

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

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



Joint Tenure Track Positions in Law, Engineering and CyberScience

The Pennsylvania State University seeks to hire an interdisciplinary scholar with expertise in law and big data. This faculty member will serve jointly between the Penn State Law, and the College of Engineering, School of International Affairs, and Penn State's Institute for CyberScience (ICS). The appointment will be at the assistant, associate, or full professor level with a tenure home in an appropriate department in accordance with the candidate's background, seniority and qualifications. Candidates for the rank of associate or full professor typically must have several years of research experience and already hold tenure at another institution and/or qualify for immediate tenure at Penn State. Candidates with history of related cross-disciplinary work and/or from underrepresented groups are strongly encouraged to apply.

For this position, we will consider scholars from any relevant discipline, interested in any area of the law and/or policy, who incorporate big data (e.g., big data analysis, numerical simulations, and/or high-performance computing) into their research. Candidates must have: (1) a J.D., Ph.D., or equivalent degree; (2) a distinguished academic record and demonstrated potential to produce high-quality scholarship; and (3) a background appropriate for participating, either as a principal investigator or collaborator, in large-scale, grant-based research.

Penn State is the land-grant university of the Commonwealth of Pennsylvania and is composed of 24 campuses throughout the state. The position is located on Penn State's largest campus in University Park, PA, home to over 45,000 graduate and undergraduate students. With over 160 graduate degree programs, Penn State's graduate program is one of the largest in the nation, fostering numerous opportunities for interdisciplinary collaboration.

The Institute for CyberScience (ICS), one of Penn State's five university-wide research institutes, connects researchers from numerous disciplines to answer critical scientific questions and societal issues through cyber-enabled research and methodology. ICS has over 280 affiliated faculty, including 24 tenure-track co-hired faculty, engaged in interdisciplinary computation and data enabled research. ICS also operates the ICS Advanced Cyber Infrastructure (ICS-ACI), Penn State's high-performance research cloud.

Employment will require successful completion of background check(s) in accordance with University policies. Final candidate(s) for the position will be required to complete a full background check process including education, employment, credit, motor vehicle verifications, criminal, and child abuse as appropriate.

Apply online at <https://apptrkr.com/1616313>

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

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

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Perimeter College, Georgia State University

Computer Science Open Rank Tenure Track Faculty

The Department of Computer Science invites applications for a tenure track open-rank faculty position in Computer

Science. The successful candidate will teach undergraduate computer science courses, develop and review undergraduate curricula, and assist with program assessment activities. Tenure track positions are academic year (August-May) appointments.

Expectations also include maintaining office hours and service at the department, discipline, campus, and college-wide levels. Perimeter College encourages and supports innovation and professional growth, expecting the successful candidate to engage in professional development activities



Professional Opportunities



Multiple Tenure Faculty Positions in Computer Science and Engineering

Applications are invited for multiple tenure-track positions at the Assistant, Associate and/or Full Professor levels across all areas of Computer Science and Engineering. The department is looking to grow rapidly in different areas, with the possibility of cluster hires in each area. We are particularly looking to fill multiple positions in: Theoretical Computer Science: All areas will be considered, including quantum computing, cryptography, algorithms and complexity. Computer Systems and Architecture: Candidates working at all layers of the system stack will be considered. We offer a top 10 ranked systems research department (as per csrankings.org) and unique collaboration opportunities with faculty spanning both computer science and computer engineering in one unified department. Data Science: All areas of machine learning, Artificial Intelligence, and data science will be considered, including theory, NLP, computer vision, robotics, optimization, and fairness, and applications to scientific data. Computer Security: All areas of computer security will be considered, including software security, systems and hardware security, network security, and applied cryptography. We offer a top 10 ranked security research environment (as per csrankings.org) across these disciplines. Applicants should hold a Ph.D. in computer science, computer engineering, or a closely related field that must be completed by the start date of the position. All applicants should be committed to excellence in both research and teaching and those considered for the Associate and Full level must demonstrate an established record in research. Our department, and the University as a whole, provides unusually rich collaboration opportunities due to a large, diverse range of colleges and departments, numerous venues for inter-departmental colloquia and the like, and excellent internal support for successful grantsmanship. We expect our hires to establish a strong research program, supervise graduate and undergraduate students, and teach relevant undergraduate and graduate courses. We strongly encourage applicants from underrepresented groups, and dual career couples. Applicants should submit a detailed curriculum vita listing all publications, research and teaching statements, and the names and email addresses of four references. Full consideration will be given to applications submitted by January 1, 2020 though applications will continue to be accepted until all positions are filled. E-mail your questions regarding the application process to <mailto:recruiting@cse.psu.edu>. Penn State is a premier public research, land grant university. The Department of Computer Science and Engineering is part of the School of EECS in the College of Engineering. We are looking for candidates who will add to the department's diverse culture and research strengths. Penn State is committed to and accountable for advancing diversity, equity and inclusion in all its forms. We embrace individual uniqueness, foster a culture of inclusion that supports both broad and specific diversity initiatives, and leverage the educational and institutional benefits of diversity. We value inclusion as a core strength and an essential element of our public service mission. Penn State's College of Engineering strives to build a welcoming, inclusive, and supportive environment for students, staff, and faculty. We rely on the expertise, sensitivity and commitment of an inclusive faculty to enhance diversity, seek equity, and create a welcoming environment within our community. We are committed to nurturing a learning and working environment that respects differences in culture, age, gender, race, ethnicity, physical ability, sexual orientation, and religious affiliation. In welcoming every candidate, we strive to meet the needs of professional families by actively assisting with partner-placement needs. We are inspiring change and impacting tomorrow. The University is in the beautiful town of State College, which is ranked one of the best college towns in the U.S. The area offers a wide variety of cultural and outdoor recreational activities, and outstanding University events, from collegiate sports to fine arts productions. The public-school system is excellent, with a nationally ranked high school by U.S. News and World Report.

Apply online at <https://apptkr.com/1616585>

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

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

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<https://www.jobelephant.com/>

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which demonstrate career goals that are consistent with the college's mission.

Required Education: A minimum of a Master's degree required in Computer Science or a minimum of a Master's degree with at least 18 semester or 27 quarter graduate hours in relevant

coursework (completed by the anticipated date of appointment) is required.

Preference will also be given to candidates who possess:

- Previous college-level teaching experience.

- Ph.D. in Computer Science or a related discipline.
- Demonstrated knowledge of Java computer-programming.

Expected start date: August 1, 2020.

First review: October 15, 2019 - open until filled.

Professional Opportunities



Associate Dean for Undergraduate and Graduate Studies

The College of Information Sciences and Technology (IST) (<http://ist.psu.edu>) at The Pennsylvania State University at University Park, Pennsylvania invites applications for Associate Dean for Undergraduate and Graduate Studies (ADUGS); although the position is a full-time administrative job, the ADUGS will also be appointed as Full or Associate Professor, with tenure home in IST. In this regard, candidates for Associate Professor should have a strong track record of research, publication, and funding; those for Full Professor should have a track record of research, publication, and funding that distinguishes them, nationally or internationally, as leaders in their respective area. We seek exceptional candidates who are currently tenured faculty members or administrators in a research university with a strong commitment for undergraduate education. The candidates should have experience as an effective instructor of undergraduate and/or graduate courses; evidence of effectiveness as a graduate and/or undergraduate adviser; evidence of leadership in curriculum evaluation, refinement and development; experience in online delivery of courses at all levels as well as leadership in recruiting and developing instructors for online education; a record of collaboration with both tenure-line and fixed-term faculty members in support of an institutional vision; and an established record of research.

We particularly invite candidates whose experience connects to several current themes in our education mission: recent and ongoing rapid growth in both enrollments and new programs; pervasive technology-mediated innovation in course design, implementation and evaluation; interdisciplinary content and connections across courses; expansion of undergraduate research opportunities; and recruitment and support for a diverse student population. The ADUGS will assume a broad range of responsibilities, including: strengthen undergraduate and graduate by maintaining close ties with relevant University Offices and facilitating communication and collaboration across programs within the college, and across colleges and campuses; coordinate periodic assessment of College education programs, and oversee development and implementation of curricular reforms; represent IST on committees, councils and task forces addressing issues and policies in undergraduate and graduate studies; oversee processes for ensuring academic and research integrity for both graduate and undergraduate students; and maintain an appropriate personal record of teaching and research in relevant areas of expertise given administrative responsibilities. Successful candidates must have a Ph.D. or a terminal degree in a field relevant to our interdisciplinary faculty (including information science, computer science, engineering, psychology, sociology, and information systems) must pass a background check.

To apply: complete the online application (only basic personal information is required, but not other information listed below). In addition, applicants must submit the following material to <https://academicjobsonline.org/ajob/jobs/14792> - a cover letter describing the candidate's vision for graduate and undergraduate education in an interdisciplinary College such as IST; a Curriculum Vitae; and contact information of 4-6 professional references. Review of applications will begin on October 15, 2019, and will continue until the position is filled. Inquiries about the position may be directed to <mailto:ADUGSrecruiting@ist.psu.edu>. The Pennsylvania State University is the land grant institution of Pennsylvania. University Park is the largest of Penn State's 24 campuses, with undergraduate enrollment of approximately 44,000 students and offering more than 150 programs of graduate study. The College of IST has award-winning faculty and state-of-the-art facilities. Both faculty and students are dedicated to collaboration and applying knowledge to make our lives better. University Park is located in State College, Pennsylvania, which is ranked the 3rd safest metropolitan area in the United States by CQ Press, and the 8th best college town in the nation by Best College Reviews.

Apply online at <https://apptrkr.com/1599451>

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

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

For complete position details or to apply: <http://perimetercareers.gsu.edu/postings/3163>.

Georgia State University is an Equal Opportunity/Affirmative Action university and accommodates individuals with disabilities. All applicants must comply with the Immigration Reform and Control Act. Women and minorities are strongly encouraged to apply. Notice of employment will be conditional on background verification.

Princeton University

Associate or Full Professor of Computer Science

The Department of Computer Science at Princeton University invites applications at the Associate or Full Professor level. We are accepting applications in all areas of Computer Science. Applicants must demonstrate superior research and scholarship as well as an excellent teaching record. The department is committed to fostering a diverse and inclusive academic community with a culturally diverse faculty. We are particularly interested in receiving applications from members of groups that have been historically underrepresented in computer science. A PhD in Computer Science or a related area is required. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department. Applications should be submitted online at <https://www.princeton.edu/acad-positions/position/13783>.

Applicants should include a CV, research statement, teaching statement and contact information for at least three

people who can comment on the applicant's professional qualifications. For full consideration, we recommend that applicants apply by December 1, 2019, though we will continue to review applications past that date.

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

Princeton University

Assistant Professor of Computer Science

The Department of Computer Science at Princeton University invites applications for tenure track faculty positions at the Assistant Professor level. We are accepting applications in all areas of Computer Science. Applicants must demonstrate superior research and scholarship potential as well as teaching ability. The department is committed to fostering a diverse and inclusive academic community with a culturally diverse faculty. We are particularly interested in receiving applications from members of groups that have been historically underrepresented in computer science.

Professional Opportunities

A PhD in Computer Science or a related area is required. Candidates should expect to receive their PhD before September 1, 2020. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department. Applications should be submitted online at <https://www.princeton.edu/acad-positions/position/I3782>.

Applicants should include a CV, research statement, teaching statement and contact information for at least three people who can comment on the applicant's professional qualifications. For full consideration, we recommend that applicants apply by December 1, 2019, though we will continue to review applications past that date as needed.

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

Princeton University

Postdoctoral Research Associate in Theoretical Computer Science

The Department of Computer Science at Princeton University is seeking

applications for postdoctoral or more senior research positions in theoretical computer science and theoretical machine learning. Positions are for one year anticipated to start in September 2020 with the possibility of renewal contingent upon satisfactory performance and continued funding. Candidates must have a PhD in Computer Science or a related field.

For full consideration, we recommend that candidates apply (including letters of recommendation) by December 1, 2019, though we will continue to review applications past that date.

Applicants must apply to: <https://www.princeton.edu/acad-positions/position/I4221> and submit a cover letter, CV, research statement, and contact information for three references.

This position is subject to the University's background check policy

Requisition No: D-20-COS-00005

Purdue University

Tenure-Track/Tenured Professors in Computer Science - Artificial Intelligence

The Department of Computer Science in the College of Science at Purdue University invites applications for two or more tenure-track or tenured positions in the broad area of artificial intelligence. These appointments will be at the level of Assistant or Associate Professor. The positions are part of a continued expansion in a large-scale hiring effort

across key strategic areas in the College of Science.

Qualifications: The Department is broadly interested in candidates from all areas of Artificial Intelligence. To expand and enhance our existing strengths, we are particularly interested in machine learning, natural language processing, human-computer interaction, vision, and reasoning/decision making. Applicants should hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research, and have a strong commitment to teaching. Successful candidates will be expected to conduct research in their fields of expertise, teach courses in computer science, and participate in department and university activities.

The Department and College: The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science and Data Science, and graduate MS and PhD programs, including a Professional MS in Information Security. For more information, see <https://www.cs.purdue.edu>.

Computer Science is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 6,000 students. The College is pursuing significant new initiatives which complement campus-wide plans, including an Integrative Data Science Initiative. Opportunities

Professional Opportunities

for collaboration exist across mathematics, probability, statistics, and the physical and life sciences. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects.

Application Procedure: Applications need to be submitted to [this site](#) and need to include (1) a complete curriculum vitae, (2) a statement of research and a statement of teaching, and (3) at least three names of reference. Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

A background check will be required for employment in this position. Review of applications and interviews will begin in November 2019, and will continue until positions are filled. Inquiries can be sent to ai-search@cs.purdue.edu.

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

Purdue University

*College Of Engineering Faculty
Position(S) In The School Of Electrical
And Computer Engineering - Foundations
Of Data Science*

The School of Electrical and Computer Engineering at Purdue University invites applications for tenured or tenure track positions at the assistant, associate and full professor levels. Purdue University seeks to attract exceptional candidates with interests and expertise in machine learning, artificial intelligence, computer vision, robotics, natural language processing, computational neuroscience, learning for control, signal processing, and other data science-related methodologies. Successful candidates must hold a Ph.D. degree in computer science, electrical and computer engineering, statistics or a related discipline and demonstrate excellent potential to build an independent research program at the forefront of their field, as well as potential to educate and mentor students. The successful candidates will conduct original research, advise graduate students, teach undergraduate and graduate level courses, and perform service both at the School and University levels. Candidates with experience working with diverse groups of students, faculty, and staff and the ability to contribute to an inclusive climate are particularly encouraged to apply.

The School of Electrical and Computer Engineering at Purdue University is proud of its leading research groups in computer architecture, dependable computing, haptics, internet systems, machine learning, planning and reasoning, programming languages, computer vision, robotics, control, signal processing, communications and networking. The

School hosts several nationally leading research centers including the Center for Brain-Inspired Computing (C-BRIC) and the Center for Programming Principles and Software Systems (PURPL).

The School is an integral part of Purdue's College of Engineering. Purdue Engineering is one of the largest and top-ranked engineering colleges in the nation (8th for graduate programs and #9 for undergraduate per USWNR, 2019) and renowned for top-notch faculty, students, unique research facilities, and a culture of collegiality and excellence. The College goal of Pinnacle of Excellence at Scale is guiding strategic growth in new directions, by investing in people, exciting initiatives, and facilities.

Purdue University is an ADVANCE institution committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Submit applications online at <https://www.purdue.edu/hr/careers/>, including curriculum vitae, teaching and research plans, and names of three references. For information/questions regarding applications contact the Office of Academic Affairs, College of Engineering, at coeacademicaffairs@purdue.edu. Review of applications will begin on September 16, 2019 and will continue until position is filled. A background

Professional Opportunities

check will be required for employment in this position.

Greater Lafayette Indiana is home to Purdue University and is one of the fastest growing communities in the Midwest. Subaru of Indiana Automotive, Caterpillar, Dow AgroSciences, Rolls-Royce, GE Aviation, Schweitzer Engineering Laboratories, Wabash National, Saab Global Defense and Security Company, high tech firms and small businesses all call Greater Lafayette their home. Conveniently located between Chicago and Indianapolis, Greater Lafayette is also near several other major metropolitan cities. Visit Lafayette-West Lafayette and Greater Lafayette Commerce are resources that highlight our great community. The Purdue Research Foundation's flagship incubator, the Purdue Research Park, is the largest university- affiliated business incubation complex in the country, and Purdue Research Foundation operates one of the most comprehensive technology transfer programs among leading research universities in the United States.

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

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

Purdue University

*Tenure-Track/Tenured Professors in
Computer Science - Systems*

The Department of Computer Science in the College of Science at Purdue University invites applications for two or more tenure-track or tenured positions in the broad area of systems. These appointments will be at the level of Assistant or Associate Professor. The positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science.

Qualifications: The Department is interested in candidates whose work focuses on database systems, cyber-physical systems, operating systems, networking and distributed systems. Highly qualified applicants in all areas of systems will be considered. Applicants should hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research, and have a strong commitment to teaching. Successful candidates will be expected to conduct research in their fields of expertise, teach courses in computer science, and participate in department and university activities.

The Department and College: The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science and Data Science, and graduate MS and PhD programs, including a Professional MS in Information Security. For more information, see <https://www.cs.purdue.edu>.

Computer Science is part of the College of Science, which comprises the computing,

physical, and life sciences at Purdue. It is the second-largest college at Purdue with over 350 faculty and more than 6,000 students. The College is pursuing significant new initiatives which complement campus-wide plans, including an Integrative Data Science Initiative. Opportunities for collaboration exist across mathematics, probability, statistics, and the physical and life sciences. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects.

Application Procedure: Applications need to be submitted to [this site](#) and need to include (1) a complete curriculum vitae, (2) a statement of research and a statement of teaching, and (3) at least three names of reference. Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

A background check will be required for employment in this position. Review of applications and interviews will begin in November 2019, and will continue until positions are filled. Inquiries can be sent to systems-search@cs.purdue.edu.

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

Professional Opportunities

Purdue University

Assistant Professor, Computer and Information Technology

Purdue University's Department of Computer and Information Technology

invites applications for tenure track faculty position at the rank of assistant professor for the West Lafayette campus beginning in January 2020 in the area of data analytics and applications. The selected candidate will be expected to develop an active research program in these areas as well as to participate in both undergraduate and graduate course delivery and development in related topics as the department builds on its long-standing data-oriented concentration to create a new data analytics and applications major. Additionally, the hire will be expected to participate actively in Purdue's Integrative Data Science Initiative (IDSI) and engage across campus in related endeavors. All candidates must have an earned PhD Degree in data analytics or a related field by the start of employment; candidates completing their PhD degree before Fall 2019 are encouraged to apply. Responsibilities also include engagement with industry, the community, and colleagues within the computing discipline. Additional information about the department can be found at <http://www.polytechnic.purdue.edu/CIT/>. Application Instructions: Applications should include a cover letter, complete resume with the names and addresses of three references, and both teaching and research statements. Optionally, applicants may include copies

of relevant publications. The application should be submitted to SuccessFactors. Use the following link <https://career8.successfactors.com/sfcareer/jobreqcareer?jobId=7270&company=purdueuniv&userename=>

Screening of applications will begin October 15, 2019 and will continue until the position is filled. A background check is required for employment in this position.

Purdue University's Department of Computer and Information Technology is committed to advancing diversity in all areas of faculty effort including discovery, instruction, and engagement.

Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities and/or future goals to promote a climate that values diversity and inclusion. Purdue University is an affirmative action, equal opportunity employer. Purdue views, evaluates, and treats all persons in all University related activities solely as individuals on the basis of their own personal abilities, qualifications, and other relevant characteristics. All qualified applicants for employment will receive consideration without regard to race, religion, color, sex, national origin or ancestry, genetic information, marital status, parental status, sexual orientation, gender identity and expression, disability or status as a veteran.

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

Purdue University

Assistant/Associate Professor of Practice Positions in Computer Science

The Department of Computer Science in the College of Science at Purdue University solicits applications for two Professor of Practice positions at the Assistant or Associate Professor level.

Qualifications: Applicants should hold a PhD in computer science or a related field, or a BS degree in computer science or a related discipline and commensurate experience in teaching or industry. Applicants should be committed to excellence in teaching, have the ability to teach a broad range of courses in the undergraduate curriculum, have an enthusiasm for teaching and interaction with students, have an interest in on-line development and delivery of courses, and have an interest in advising student team projects. The positions are non-tenure track faculty positions with multi-year contracts. Professors of Practice faculty are actively involved in departmental activities and have professional development opportunities

The Department and College: The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science and Data Science, and graduate MS and PhD programs, including a Professional MS in Information Security. For more information, see <https://www.cs.purdue.edu>.

Professional Opportunities

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Application Procedure: Applications need to be submitted to [this site](#) and need to include (1) a complete curriculum vitae, (2) a teaching statement that includes the teaching philosophy, interests, and experience, and (3) at least three names of reference. Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

A background check will be required for employment in this position. Review of applications and interviews will begin in October 2019, and will continue until positions are filled. Inquiries can be sent to pop-search@cs.purdue.edu.

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

Purdue University

Tenure-Track/Tenured Professor Positions in Theoretical Computer Science

The Department of Computer Science in the College of Science at Purdue University invites applications for two or more tenure-track or tenured positions in theoretical computer science. These appointments will be at the level of Assistant or Associate Professor. The positions are part of a continued expansion in a large-scale hiring effort across key strategic areas in the College of Science.

Qualifications: The Department is interested in candidates whose work in theoretical computer science focuses on the design and analysis of algorithms, quantum computing, randomness in computation, as well as computational science and engineering. Highly qualified applicants in other areas of theoretical computer science will be considered. Applicants should hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research, and have a strong commitment to teaching. Successful candidates will be expected to conduct research in their fields of expertise, teach courses in computer science, and participate in department and university activities.

The Department and College: The Department of Computer Science offers a stimulating academic environment with active research programs in most areas of computer science. The department offers undergraduate programs in Computer Science and Data Science, and graduate MS and PhD programs, including a Professional MS in Information Security. For more information, see <https://www.cs.purdue.edu>.

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Application Procedure: Applications need to be submitted to [this site](#) and need to include (1) a complete curriculum vitae, (2) a statement of research and a statement of teaching, and (3) at least three names of reference. Purdue University's Department of Computer Science is committed to advancing diversity in all areas of faculty effort,

Professional Opportunities

including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

A background check will be required for employment in this position. Review of applications and interviews will begin in November 2019, and will continue until positions are filled. Inquiries can be sent to TA-search@cs.purdue.edu.

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

Rochester Institute of Technology

Rochester, New York

Computing and Information Sciences - Multiple Openings for Spring and Fall 2020

The B. Thomas Golisano College of Computing and Information Sciences at the Rochester Institute of Technology invites applications and nominations for the following faculty positions:

- Assistant Professor in Software Engineering, Software Engineering Department (4854BR) with discipline expertise in any area of software engineering and with a track record of publications in leading scientific venues in the software engineering domain

- Assistant Professor in Data Science, Software Engineering Department (4854BR) with discipline expertise in any area of data science or applied artificial intelligence and with a track record of publications in leading data science and/or artificial intelligence venues
- Lecturer, School of Information (4857BR) with demonstrated knowledge and experience in two or more of the following areas: basic and advanced Java programming; programming against databases using JDBC, ADO, and PDO; Basic and advanced Javascript programming; Native application development for Android; Native application development for iOS

Candidates should visit <http://careers.rit.edu/faculty> and refer to the BR numbers listed above for specific information about the positions and the application process. Refer to www.rit.edu for information about RIT and the B. Thomas Golisano College of Computing and Information Sciences.

The B. Thomas Golisano College of Computing and Information Sciences is the largest of RIT's nine colleges and has an enrollment of over 3600 undergraduate students and 900 graduate students. The college, with over 160 faculty members, is housed in a modern facility equipped with numerous teaching and research laboratories. The college is home to: the departments of Computer Science, Computing Security, and Software Engineering, the School of Interactive Games and Media, the School of Information, and a college-wide PhD program, providing many opportunities for

cooperation and research collaboration within and beyond the college.

RIT has been honored by *The Chronicle of Higher Education* as one of the "Great Colleges to Work For" for four years. RIT is a National Science Foundation ADVANCE Institutional Transformation site. RIT is responsive to the needs of dual-career couples by our membership in the Upstate NY HERC.

RIT does not discriminate. RIT is an equal opportunity employer that promotes and values diversity, pluralism, and inclusion. For more information or inquiries, please visit RIT/Title IX or the U.S. Department of Education at ED.Gov

Rutgers University

Full-Time Tenure-Track Assistant Professor in Computer Science

The Department of Computer Science at Rutgers University, Camden (<http://cs.camden.rutgers.edu>) invites applications for a full-time, tenure-track Assistant Professor position to begin September 1, 2020. We welcome applicants in all areas of specialization. We especially encourage candidates in applied areas, such as databases, distributed systems, cybersecurity, computer networks, artificial intelligence, and machine learning. The successful candidate must establish a productive research program supported by external funding and demonstrate a strong commitment to excellence in teaching. The normal teaching load is 2-2; new assistant

Professional Opportunities

professors may receive a one-course reduction. The candidate will be expected to teach a variety of courses, mentor student research, and contribute broadly to the academic life of the department and the School of Arts and Sciences. Candidates must have completed all Ph.D. requirements by the start date.

The department offers Bachelor's and Master's degrees in Computer Science. The candidate will also have the opportunity to become a member in the Center for Computational and Integrative Biology (CCIB), an interdisciplinary research center for bridging experimental and computational approaches in quantitative biology. The CCIB has Doctoral and Master's programs in Computational and Integrative Biology.

Prospective candidates must submit an application that includes a cover letter, curriculum vitae, research statement, teaching statement, and names of at least three references to the Computer Science Search Committee.

Applications submitted by 15 Dec. 2019 will receive maximum consideration, but the committee will continue to accept applications until the position is filled.

Please submit all material electronically at jobs.rutgers.edu/postings/102234.

Inquiries may be directed to Suneeta Ramaswami, Search Committee Chair, suneeta.ramaswami@rutgers.edu.

Sacred Heart University

Full-time faculty in Computer Science and Engineering

The School of Computer Science & Engineering at Sacred Heart University in CT, seeks applicants for multiple full-time positions. PhD in CS or a related field is required.

Go to: <http://bit.ly/shu-scse-2020> for position descriptions and next steps. Reviews will start in November. Sacred Heart University is an equal opportunity employer.

San Francisco State University

Assistant Professor - Database/Data Analytics/Big Data, Human-Computer Interaction, or Theory/Algorithms

San Francisco State University, Department of Computer Science seeks applicants for three tenure-track Assistant Professor position in Database/Data Analytics/Big Data, Human-Computer Interaction, or Theory/Algorithms, beginning August 2020 (Candidates in other areas are also encouraged to apply). The mission of San Francisco State University is to create an environment for learning that promotes appreciation of scholarship, freedom, human diversity, and the cultural mosaic of the City of San Francisco and the Bay Area; to promote excellence in instruction and intellectual accomplishment; and to provide broadly

accessible higher education for residents of the region, state, the nation, and the world. Ph.D. or equivalent degree in Computer Science required. Salary commensurate with qualifications.

Position description available at <http://cs.sfsu.edu>. Application review begins 12/1/2019, continues until filled. Submit letter of intent, a current CV, a statement on how your teaching and scholarship align with the commitment of the CS Department to foster an inclusive and diverse academic community; representative publications; teaching statement; research statement; contact information of three references at AcademicJobsOnline (Job: 14637). Letters of recommendation upon request at a later date.

San José State University

San José, California
Department of Computer Science

Job ID (JOID): 25158

Rank: Assistant Professor (tenure-track)

Starting Date: August 13, 2020

Eligibility: Employment is contingent upon proof of eligibility to work in the United States.

Application Procedure:

All materials are due by Friday, November 15, 2019. Apply at <https://apply.interfolio.com/68439>

Professional Opportunities

Santa Clara University

Assistant Professor in Information Systems and Analytics

Purpose

The Information Systems and Analytics (ISA) Department of the Leavey School of Business at Santa Clara University invites applications for three tenure-track positions beginning Fall 2020.

Qualifications

Applicants must have a Ph.D. in Information Systems, Computer Science, Operations Management, Business Analytics, Statistics, or a related field. Preference will be given to candidates who have demonstrated excellence in research and teaching, embrace the Silicon Valley spirit, and have the expertise or willingness to teach one or more of technical courses, such as Deep Learning, Enterprise Architecture, Web & Mobile Programming, Network Security, Cloud Computing, and Internet of Things.

Salary and Housing Assistance

Salaries are competitive and commensurate with qualifications and experience. Recognizing the high cost of housing in the local area, the University provides housing support.

About Santa Clara University

Santa Clara University is a comprehensive university located in California's Silicon Valley, offering its 8,800 students. The 2020 U.S. News and World Report ranks Santa Clara University #54 in National Universities. The ISA department offers both Information Systems and Business Analytics programs at the undergraduate

and master's levels and contributes courses to MBA and other graduate programs at Santa Clara University.

Work Authorization

A foreign national who is appointed to a tenured or tenure-track faculty position is eligible for sponsorship by Santa Clara University.

More Details & How to Apply

https://wd1.myworkdaysite.com/en-US/recruiting/scu/scu/job/Santa-Clara-CA/Assistant-Professor_R201

Santa Clara University

Tenure-Track Assistant Professors

The Department of Computer Science & Engineering at Santa Clara University invites applications for two tenure-track Assistant Professor positions starting in the 2020–2021 academic year. To complement expertise of current faculty, address areas of strong interest to students, and enhance collaboration opportunities with local industries, the department is particularly interested in candidates with specializations in software engineering, programming languages, HCI, machine learning, visualization (AR/VR), and database systems. However, Silicon Valley is an area of broad and ever-changing technical interests and needs, and strong candidates will be seriously considered regardless of area of specialization.

Santa Clara University (<https://www.scu.edu>) is a comprehensive Jesuit, Catholic

university, located in the heart of Silicon Valley. Distinguished by the highest retention rate and has been ranked first among all master's universities in the West by U.S. News and World Report, Santa Clara University is now elevated to a new category in national rankings, "Doctoral/Professional Universities." Santa Clara University is California's oldest operating institution of higher-education. The School of Engineering is committed to improving the human condition through engineering education, practice, and scholarship, promoting the University's mission to 'fashion a more humane, just and sustainable world.'

SCU maintains small class sizes and promotes close faculty/student interaction. The University enrollment is approximately 5,500 undergraduate and 3,700 graduate students. The Department (<http://www.scu.edu/engineering/cse/>) offers B.S., M.S. and Ph.D. degrees, with 22 full-time faculty, and a strong pool of approximately 25 part-time adjunct faculty who instruct about 400 undergraduate majors, and about 500 part-time and full-time graduate (M.S. and Ph.D.) majors. The School of Engineering maintains strong ties to local industry.

Applicants must hold a doctorate in computer science, computer engineering, or in a closely related field; have demonstrated a strong potential for high-quality research in computing; and have a strong commitment and ability to teach at both the undergraduate and graduate levels. The full-time teaching load is nominally seven quarter-level courses per

Professional Opportunities

academic year (each quarter is 10 weeks excluding the final exams week), but a one course release is given to faculty actively involved in research and course credit is also given for project, thesis, and laboratory supervision. Limited course buyout may be approved using external grant funds.

The proposed start date is September 1, 2020.

Applicants should submit detailed CVs, statements of research interests, statements of teaching interests, and names and contact information of three professional references. All materials should be submitted online at <https://jobs.scu.edu/postings/8936>.

Review of applications will begin upon receipt and complete application packets received by November 1, 2019 will receive full consideration. However, the search will remain open until the position is filled.

EEO / AA Policy:

Santa Clara University is an Equal Opportunity/Affirmative Action employer, committed to excellence through diversity and inclusion, and, in this spirit, particularly welcomes applications from women, persons of color, and members of historically underrepresented groups. All qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity or expression, age, status as a protected veteran, status as a qualified individual with a disability, or other

protected category in accordance with applicable law. The University will provide reasonable accommodations to individuals with a disability.

Santa Clara University annually collects information about campus crimes and other reportable incidents in accordance with the federal Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act. To view the Santa Clara University report, please go to the Campus Safety Services website at <https://university-operations.scu.edu/campus-safety/crime-reporting>.

To request a paper copy please call Campus Safety at (408) 554-4441. The report includes the type of crime, venue, and number of occurrences.

Simon Fraser University

Tenure-track Faculty Positions

The School of Computing Science at Simon Fraser University invites applications for tenure-track faculty positions. The School has multiple openings and will consider applications at all ranks, including assistant, associate, and full professor. Excellent applicants in all areas of computer science will be considered. Applicants with research focus on computer security, artificial intelligence, and networks and systems are especially encouraged to apply.

Candidates are expected to demonstrate excellence in research. In addition, a record of (or in the case of junior candidates, a potential for) high-quality

graduate student supervision and teaching at the undergraduate and graduate levels is expected. A Ph.D. in computer science or related area is required by the start of the appointment. Candidates with a commitment to the advancement of women and other underrepresented groups in computer science will be given priority.

SFU is located in metropolitan Vancouver, one of the most livable cities in the world. The School of Computing Science has been consistently ranked among the top computer science departments in Canada and internationally. The School currently has 60 faculty members, 400 Ph.D. and M.Sc. students, and 2,000 undergraduate majors.

To apply, please submit your curriculum vitae, research and teaching statements, and the names and email addresses of at least three referees to our on-line application system at:

<http://www.sfu.ca/computing/about/job-opportunities.html>

Full consideration will be given to applications received by December 1, 2019. Applications received after this deadline may be reviewed as far as the positions are still open. The positions are subject to availability of funding and approval by the SFU Board of Governors. Any inquiries regarding this posting may be directed to cssec@sfu.ca.

All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

Professional Opportunities

Simon Fraser University is committed to employment equity and welcomes applications from all qualified women and men, including visible minorities, persons of aboriginal heritage, persons with disabilities, and LGBTQ-identified persons.

Under the authority of the University Act personal information that is required by the University for academic appointment competitions will be collected. For further details see:

http://www.sfu.ca/vpacademic/Faculty_Openings/Collection_Notice.html

Southern Connecticut State University, New Haven, CT

*Assistant/Associate Professor of
Computer Science*

Tenure Track

Specialization: Human Computer
Interaction (Preferred)
Search # 20-003

A detailed description of the position and required application materials can be found on the Southern Connecticut State University website at

<https://inside.southernct.edu/human-resources/jobs/20-003-assistant-associate-professor-computer-science>

St. John's University

*Assistant or Associate Professor of
Computer Science*

The Division of Computer Science,

Mathematics and Science at St. John's University is seeking applications for two full-time, tenure-track appointments: 1.) Assistant or Associate Professor of Computer Science commencing January 1, 2020, and 2.) Assistant Professor of Computer Science, commencing September 1, 2020. Candidates must hold a Ph.D. in Computer Science. For both positions, we are particularly interested in candidates with specializations in Software Engineering, Computer Graphics and Game Development, Cloud Computing, or Parallel/Distributed Systems, and/or Cybersecurity. However, strong candidates will be seriously considered regardless of area of specialization.

St. John's is an Equal Opportunity Employer. For full position description and application details see below:

Position commencing January 2020:
<https://stjohnsedu.silkroad.com/epostings/?fuseaction=appjobinfo&jobid=218569&version=1&source=cra>

Position commencing September 2020:
<https://stjohnsedu.silkroad.com/epostings/?fuseaction=appjobinfo&jobid=218568&version=1&source=cra>

Stony Brook University

*Lecturer, Assistant/Associate/Full
Professor of Practice in Computer Science*

Required Qualifications

MS or Ph.D. in Computer Science or related field.

Preferred Qualifications

Demonstrated history of excellence in research and teaching at the graduate and undergraduate levels.

Responsibilities & Requirements

Teaching and research in Computer Science.

Special Notes

This is a non-tenure track position. FLSA Exempt position, not eligible for the overtime provisions of the FLSA. Internal and external search to occur simultaneously. Anticipated Start Date: As soon as possible.

Pursuant to Executive Order 161, no State entity, as defined by the Executive Order, is permitted to ask, or mandate, in any form, that an applicant for employment provide his or her current compensation, or any prior compensation history, until such time as the applicant is extended a conditional offer of employment with compensation. If such information has been requested from you before such time, please contact the Governor's Office of Employee Relations at (518) 474-6988 or via email at info@goer.ny.gov.

Stony Brook University is 100% tobacco-free as of January 1, 2016.

See our policy and learn more at stonybrook.edu/tobaccofree.

The selected candidate must successfully clear a background investigation.

Application Procedure

Those interested in this position should:

1. Complete the online [Applicant Information Survey](#). Do not submit

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this survey to the department with your application. Any questions regarding the survey, please email oide@stonybrook.edu.

2. Submit a **State Employment Application**, cover letter and resume/ CV by clicking Apply. Alternately, you may submit your application package to the departmental address or fax below.

Search Chair

Lecturer, Assistant/Associate/Full

Professor of Practice

Computer Science

New Computer Science Building, Room 101

Stony Brook University

Stony Brook, NY 11794-2424

Campus Description

Stony Brook University, home to many highly ranked graduate research programs, is located 60 miles from New York City on Long Island's scenic North Shore. Our 1,100-acre campus is home to 24,000 undergraduate, graduate, and doctoral students and more than 13,500 faculty and staff. SBU is a comprehensive research-intensive university and a member of the prestigious Association of American Universities (AAU), which includes 34 public universities among its 62 members. SBU consists of 12 schools and colleges and a teaching hospital that provides state-of-the-art healthcare in the Long Island region. SBU also manages and performs joint research with Brookhaven National Laboratory, the only Department of Energy Laboratory in the Northeast, and shares doctoral programs with

Cold Spring Harbor Laboratory, a world-renowned molecular biology institute. Home to the Emerson String Quartet, the Pollock-Krasner House in East Hampton, New York, the Humanities Institute, and the Southampton Arts Program, and with endeavors that extend to the Turkana Basin Institute in Kenya and the Ranomafana National Park in Madagascar, SBU sustains an international reputation that cuts across the arts, humanities, social sciences, and natural sciences.

Official Job Title: Lecturer, Assistant/ Associate/Full Professor of Practice

REF#: F-9934-19-09-F

Campus: Stony Brook West Campus

Department: Computer Science - CEAS

Salary: Commensurate with Experience

Posting Start Date: 09/12/2019

Posting End Date: 12/05/2019

Applications for this position must be received, as specified in the Application Procedure Section, no later than 5:00 PM Eastern Time on 12/05/2019, unless specifically noted otherwise in the Special Notes Section.

Stony Brook University/Research is an equal opportunity/affirmative action employer. We encourage all to apply including individuals with disabilities and protected veterans. If you need a disability-related accommodation, please call the university human resource services department at (631)

632-6161 or the university hospital human resources department at (631) 444-4700. In accordance with the title ii crime awareness and security act, a copy of our crime statistics is available upon request by calling (631) 632-6350. It can also be viewed on-line at the university police website at <http://www.stonybrook.edu/police>

Job Category: Faculty and Librarian

Posting Date: 09/12/2019

For a full position description or application procedures, visit: www.stonybrook.edu/jobs

SUNY Korea

Assistant/Associate/Full Professor and Lecturer Positions

The Computer Science Department of SUNY Korea (<https://sunyk.cs.stonybrook.edu/>) invites applications for tenure-track and Lecturer positions, to start in **Fall 2020** or sooner. **(A) Tenure-Track Faculty Position:** An excellent faculty member is sought at all levels in all core areas of computer science. The position will be tenured or tenure-track at SUNY Korea, and will carry an affiliated faculty position with the Computer Science Department at Stony Brook University – State University of New York (SUNY), Stony Brook, NY (<https://www.cs.stonybrook.edu/>). Applicants should hold a PhD in Computer Science or closely related area and exhibit a strong commitment to research and teaching. **(B) Lecturer Position:** An

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excellent full-time lecturer is sought at the junior or senior level. The candidate is expected to teach introductory and advanced CS undergraduate and possibly graduate courses. It is possible for an excellent candidate to be converted into tenure-track at SUNY Korea at a later time. Engaging in research is encouraged but not mandatory. Applicants should hold a PhD or MS in Computer Science or a closely related area and exhibit a strong commitment to teaching. The SUNY Korea CS department offers BS, MS, and PhD degrees and is tightly integrated with the highly ranked CS department at Stony Brook University. The academic degrees awarded at SUNY Korea are identical to those of Stony Brook University, and the language at SUNY Korea is English.

SUNY Korea (<http://www.sunykorea.ac.kr/>) is located in the new master-planned city of Songdo, Korea, hosting both global organizations and multinational corporations. Incheon international airport is just 25 minutes away and Seoul with its fascinating blend of Asian cultures is less than 1 hour away.

More information about the positions can be found at <https://sunyk.cs.stonybrook.edu/about-us/career/> and applicants should apply at <https://hiring.cs.stonybrook.edu/> (Select "SUNYK" for "Site"). Review of applications will start immediately and will continue until the positions are filled. Applications from non-Korean citizens, women, and minorities are encouraged to apply.

Swarthmore College

Faculty Search

The Department of Computer Science at Swarthmore College invites applications for (1) a tenure-track position at the rank of Assistant Professor and (2) multiple visiting assistant professor positions to begin fall semester 2020. Applicants must have or expect to have a Ph.D. in Computer Science or a related field by the position's start date. All areas of computer science will be considered. We are particularly interested in areas that complement our existing offerings, including compilers, programming languages, high-performance computing, security, algorithms, and theory. The Department also welcomes candidates who conduct interdisciplinary research in the humanities and social sciences.

Swarthmore College is a highly selective liberal arts college, located in the suburbs of Philadelphia, whose mission combines academic rigor with social responsibility. The Computer Science Department currently has nine tenure-track faculty and three visiting faculty. Faculty teach introductory courses as well as advanced courses in their research areas. Our majors and minors are much more diverse than the national averages in CS and we also have 35% female majors. We have grown significantly in both faculty and students in the last five years. Presently, we are one of the most popular majors at the College and expect to have over 70 Computer Science majors graduating this year (2020).

Qualifications:

Applicants must have a Ph.D. in Computer Science or expected by fall 2020. Applicants strong in any area of computer science will be considered.

Institutional Statement on Teaching Diverse Audiences

The strongest candidates will be expected to demonstrate a commitment to creative teaching and an active research program that speaks to and motivates undergraduates from diverse backgrounds.

Applicant Instructions

Applicants should include a cover letter, a curriculum vitae, a research statement, a teaching statement and three letters of recommendation, including at least one letter specifically commenting on teaching. Applications will not be considered until letters of recommendation have been submitted. Please address any questions you may have to Kathy Reinersmann, Computer Science Department at kreiner1@swarthmore.edu.

Applications received by November 15, 2019 for the Tenure Track position will receive full consideration.

Apply here. Applications received by January 15, 2020 for the visiting assistant professor position will receive full consideration **Apply here.** Review of all applications will continue until the positions are filled.

Swarthmore College actively seeks and welcomes applications from candidates with exceptional qualifications,

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particularly those with demonstrable commitments to a more inclusive society and world. Swarthmore College is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

Syracuse University

*Open-Rank Tenure-Track Faculty
Position in Computer Science (Artificial
Intelligence, Machine Learning,
Intelligent Systems)*

Job Description: Syracuse University's Department of Electrical Engineering and Computer Science (EECS) in the College of Engineering and Computer Science (<http://eng-cs.syr.edu> [<http://eng-cs.syr.edu>]) invites applications for a tenure-track or tenured faculty position in Artificial Intelligence, Machine Learning, and Intelligent Systems. Ideal candidates are committed to innovative teaching, inclusive excellence, and interdisciplinary collaboration within four signature research areas: Unmanned Systems, Energy Sources Conversion and Conservation, Intelligent Systems, and Security. Further information on the strategic areas can be found at: <http://eng-cs.syr.edu/50-over-5-signature-hiring-initiative/>

The Faculty hired will build on our existing strengths in the signature areas and will participate in organized research clusters that span multiple departments in the College of Arts and Sciences, Maxwell School of Citizenship and Public Affairs, Martin J. Whitman School of Management, School of Architecture, David B. Falk College of Sport

and Human Dynamics and the College of Engineering and Computer Science.

Qualifications & Responsibilities:
Candidates must have earned a doctoral degree in computer science or a related discipline. We strongly encourage applications from candidates with a demonstrated commitment to diversity, inclusion, and excellence in both teaching and research. Syracuse University is a Carnegie R1 ranked (highest research activity classification) university that "aspires to be a pre-eminent and inclusive student-focused research university."

About Applying: For full consideration, candidates must complete an online application and electronically attach a cover letter, curriculum vitae, research statement, teaching statement, and contact information of three professional references through <http://www.sujobopps.com/postings/81914> job# 074808. To be competitive, we strongly encourage candidates to apply early. Review of applications will continue until the positions are filled. For additional information, please contact the search committee, via email at eecssearch@syr.edu.

Syracuse University is an equal opportunity/affirmative action employer with a strong commitment to equality of opportunity and a diverse workforce.

Syracuse University

*Full-Time Assistant/Associate Teaching
Professor Position*

Job Description:

Syracuse University's Department of Electrical Engineering and Computer Science (EECS) invites applications for a position at the rank of Assistant Teaching Professor or Associate Teaching Professor to begin in January 2020 or August 2020. Credentials and experience will determine the rank and salary. Teaching responsibilities will include a range of undergraduate and graduate courses in Computer Science and Computer Engineering, mainly focusing on operating systems and computer organizations. Ability to teach functional programming is a plus.

Qualifications:

Candidates should have a doctoral degree in Computer Science or a closely related discipline. However, exceptional candidates with a Master's Degree in Computer Science or a relevant area can be considered. Successful applicants should have a record of (or potential for) excellence in teaching, the ability to relate well with students, and the ability to teach students with a wide range of academic backgrounds. Syracuse University is an equal opportunity/affirmative action employer with a strong commitment to equality of opportunity and a diverse workforce.

About Applying:

For full consideration, candidates must complete an online application and electronically attach a cover letter, curriculum vitae, teaching statement, and contact information of two professional references through <http://www.sujobopps.com/postings/81917> To be competitive, we

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strongly encourage candidates to apply early. Review of applications will continue until the positions are filled. For additional information, please contact the search committee, via email at eeccsearch@sy.edu.

Temple University

Tenure-Track Faculty Positions

The Department of Computer and Information Sciences (CIS) at Temple University invites applications for tenure-track faculty whose expertise complements and expands its existing strengths in data science, computer systems, theory, and interdisciplinary research. We will consider candidates in all areas of computer science and at all ranks. We are particularly interested in candidates whose research focuses on creating computer systems that exhibit ability to learn, adapt, understand context, and work seamlessly with and for humans. This includes candidates with expertise in artificial intelligence, machine learning, human computer interaction, user interfaces, natural language processing, computer vision, robotics, and applications. Successful candidates are expected to have an outstanding research track record commensurate with their rank and commitment to excellence in undergraduate and graduate education. The CIS Department offers highly competitive salaries and start-up packages, low teaching load, and institutional support for a world class research program. Review of applications will begin on November 15, 2019 and continue until the positions are filled.

Applications should be submitted electronically at: <https://academicjobsonline.org/ajojobs/14773>.

Texas Christian University

Assistant Professor of Computer Science

The Department of Computer Science at Texas Christian University (TCU) invites applications for a tenure-track assistant professor position beginning Fall 2020. Applicants should have an earned Ph.D. in Computer Science or closely related field from an accredited institution by the start of the employment date.

Go to <https://computerscience.tcu.edu> for details of the position, instructions on how to apply, and information on the department and university. TCU has been selected by the Chronicle of Higher Education as one of the "Great Colleges to Work For" for the last eight years.

Review of applications will begin on October 1. To be assured of full consideration, applications must be received by November 15, 2019.

Texas State University

Lecturer or Senior Lecturer in Computer Science

Lecturer or Senior Lecturer in Computer Science TEXAS STATE UNIVERSITY. The Department of Computer Science invites applications for two Lecturer or Senior Lecturer positions to start on September 1, 2020. Consult the department's employment page at <https://cs.txstate>.

[edu/employment/faculty](https://www.txstate.edu/employment/faculty) for additional information and to apply.

Texas State University, to the extent not in conflict with federal or state law, prohibits discrimination or harassment on the basis of race, color, national origin, age, sex, religion, disability, veterans' status, sexual orientation, gender identity or expression.

Employment with Texas State University is contingent upon the outcome of record checks and verifications including criminal history, driving records, education records, employment verifications, reference checks, and employment eligibility verifications. Texas State University is a tobacco-free campus. Smoking and the use of any tobacco product will not be allowed anywhere on Texas State property or in university owned or leased vehicles. Texas State University is a member of the Texas State University System. Texas State University is an EOE.

Texas Tech University

Assistant/Associate/Full Professor

The Department of Computer Science at Texas Tech University invites applications for multiple tenured or tenure-track positions at various ranks starting in Fall 2020. Applicants must have a Ph.D. degree in Computer Science or related fields by the time of appointment. We are looking for outstanding individuals in Quantum Computing information systems and biosensors. However, we welcome applicants in all areas of

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computer science with track records of research excellence and potential to become leaders in research and education. Associate/Full Professor candidates should demonstrate leadership in building multidisciplinary research teams at the university or national level as well as obtaining external research funding. Service duties include program-building, as well as commitment to extra-curricular activities. Service to the department, college, and university is expected. A demonstrated and ongoing commitment to serving diverse student populations and first-generation students is highly desirable.

A letter of application, Curriculum Vitae, statement of research, teaching statement, and three letters of reference (five for applications at the rank of professor) should be submitted electronically at <http://www.texastech.edu/careers/> using requisition numbers 18813BR for full professor position, 18819BR associate professor and 18787BR for assistant professor position.

As an Equal Employment Opportunity/ Affirmative Action employer, Texas Tech University is dedicated to the goal of building a culturally diverse faculty committed to teaching and working in a multicultural environment. We actively encourage applications from all those who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community at Texas Tech University. The university welcomes applications from minorities, women, veterans, persons

with disabilities, and dual-career couples. Texas Tech University recently surpassed the Hispanic student population threshold necessary for designation as a Hispanic Serving Institution (HSI).

Should you have questions, please contact: Dr. Yu Zhuang, at cs.search@ttu.edu

Trinity College

Assistant Professor of Computer Science

Applications are invited for a tenure-track position in computer science at the rank of Assistant Professor to start in the fall of 2020. Candidates must hold a Ph.D. in computer science at the time of appointment. We are seeking candidates with teaching and research interests in applied areas associated with data analytics, such as database and information systems, data mining and knowledge discovery, machine learning, and artificial intelligence, but other related areas will also be seriously considered.

Trinity College is a coeducational, independent, nonsectarian liberal arts college located in, and deeply engaged with, Connecticut's capital city of Hartford. Our approximately 2,200 students come from all socioeconomic, racial, religious, and ethnic backgrounds across the United States, and seventeen percent are international. We emphasize excellence in both teaching and research, and our intimate campus provides an ideal setting for interdisciplinary collaboration. Teaching

load is four courses per year for the first two years and five courses per year thereafter, with a one-semester leave every four years. We offer a competitive salary and benefits package, plus a start-up expense fund. For information about the Computer Science Department, visit:

<http://www.cs.trincoll.edu/>

Applicants should submit a curriculum vitae and teaching and research statements and arrange for three letters of reference to be sent to:

<https://trincoll.peopleadmin.com/>

Consideration of applications will begin on December 15, 2019, and continue until the position is filled.

Trinity College is an Equal-Opportunity/ Affirmative-Action employer. Women and members of minority groups are encouraged to apply.

TTI-Chicago

Research and Tenure-Track Faculty Positions

TTI-Chicago invites applications for the following faculty positions in computer science:

- endowed three-year research assistant professor
- tenure-track assistant professor
- full or associate (tenured) professor
- visiting professor

Professional Opportunities

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

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

About TTI-Chicago

TTI-Chicago is a philanthropically endowed academic institute dedicated to fundamental research and graduate education in computer science. TTI-Chicago produces cutting-edge research (our faculty routinely publish their results at top conferences and are recognized with distinctions such as the Sloan Research Fellowships, NSF CAREER Awards, and Best Paper Awards) and offers world-class graduate education. At the same time, TTI-Chicago faculty members enjoy a uniquely light teaching load, which helps them focus on their research. TTI-Chicago research assistant professor alumni have an excellent employment track record (<https://www.ttic.edu/faculty-alumni/>).

Located on the University of Chicago campus, TTI-Chicago has strong ties to the University. In addition to having access to TTI-Chicago's excellent computing infrastructure, faculty members have access to many of the University of Chicago's state-of-the-art facilities.

TTI-Chicago faculty members frequently collaborate with colleagues from leading academic institutions around the world. Moreover, TTI-Chicago supports travel and visitor hosting (through annual research funds for research and tenured faculty and start-up packages for tenure-track faculty).

TTI-Chicago's faculty and students enjoy the close proximity of a vibrant urban environment with flourishing culture, business, and entertainment scenes.

We invite candidates with an outstanding academic record and passion for computer science research to join our world-class team of 12 tenured/tenure-track faculty and 11 research faculty members.

Teaching Requirements

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

TTI-Chicago/Simons-Berkeley Joint Program

Applicants for research assistant professor (RAP) positions in relevant areas are encouraged to simultaneously apply for the TTI-Chicago RAP program and the Simons-Berkeley Research Fellowship. This year, the Simons Institute is running three programs: "Probability, Geometry, and Computation in High Dimensions", "Theory of Reinforcement Learning", and "Satisfiability: Theory, Practice, and Beyond" (see <http://simons.berkeley.edu/programs/current> for details).

Applicants selected by TTI-Chicago will be offered an RAP position. Applicants selected by both institutions will be able to participate in a program at the Simons Institute before joining TTI-Chicago. Please note that applicants interested in the joint program must submit separate applications to TTI-Chicago and the Simons Institute.

Timeline

We will start reviewing applications on December 1, 2019, and will continue until the positions are filled.

Application Requirements

- cover letter
- curriculum vitae
- research statement
- teaching statement (optional for RAP applicants)
- names and contact information of at least three references

If interested in the joint program, please check the Simons Fellowship requirements (<https://simons.berkeley.edu/programs/fellows>). Please note that the Simons Institute has a different deadline.

Where to Apply

<https://ttic.edu/facultyapplication>

Instead of submitting an application online, senior applicants may directly contact the Chief Academic Officer (avrim@ttic.edu) or faculty members in their areas.

Questions

Professional Opportunities

recruiting@ttic.edu

TTI-Chicago is an equal opportunity employer.

Tulane University

*Department of Computer Science
Faculty Positions in Computer Science
Starting Fall 2020 New Orleans, LA*

Tulane Computer Science is Hiring!

The Tulane Computer Science Department anticipates several tenured or tenure-track hires beginning in Fall 2020. Applications are encouraged from leading researchers who are attracted by the opportunity to join a unique program whose focus is equally on computer science and on its applications to research in related areas. Our current faculty are engaged in collaborative research projects with colleagues in the School of Science and Engineering, as well as with colleagues in the School of Liberal Arts, and with colleagues in the Health Sciences. The department currently has 7 tenured / tenure stream faculty and two Professors of Practice; we anticipate attaining a critical mass of 12 faculty within the next year, and a stable state of 15 faculty within the following 2 - 3 years.

We are pleased to announce the following openings:

Tenured/Tenure-Track Open Rank Position

The Tulane Computer Science Department invites applications for open rank positions at the tenured or tenure-track

level to begin in Fall 2020. We welcome applications from candidates working in artificial intelligence and machine learning and their application to data science. We also welcome applicants working in networking, optimization and cloud computing, and in visualization, HCI, and large data. Candidates at the senior assistant professor level or who are tenured should have an outstanding research record that emphasizes the application of computer science to related areas, have excellent teaching credentials, and have a strong record of attracting research funding on a continued basis. Junior faculty who have postdoctoral experience establishing their research program also are encouraged to apply. Review of applications will begin January 1, 2020, and will continue until the positions are filled.

The Yahoo! Founder Chair

The Tulane Computer Science Department invites applications for the *Yahoo!* Founder Chair in Computer Science. This pivotal appointment will provide a defining focus for our research activities and our collaborations with colleagues in related disciplines. The successful candidate will provide leadership by enhancing existing research collaborations and establishing new ones both within the computer science department, within the School of Science and Engineering, and across the other Tulane schools and colleges. We encourage applications from senior colleagues whose research is related to data science. The successful candidate will have excellent research credentials

nationally and internationally, a record of substantial research funding, experience leading multidisciplinary research projects, and a record of excellent teaching at the undergraduate and PhD levels. Review of applications will begin January 1, 2020, and continue until the position is filled. Potential candidates for this position are encouraged to contact Professor Michael Mislove, chair of the computer science department, at mislove@tulane.edu about their candidacy.

These positions have the potential for a joint appointment with the Florida Institute for Human and Machine Cognition - see <http://www.ihmc.us>.

More information about the Tulane Computer Science Department, its faculty, its research areas and undergraduate and graduate programs can be found at <https://sse.tulane.edu/cs>.

Application Instructions

A complete application should include a CV, statements on research and teaching, and at least three letters of recommendation. Applications for these positions will be reviewed starting January 1, 2020; the review and interview process will continue until the positions are filled. These positions are subject to final administrative approval.

Candidates interested in the tenured/tenure-track open rank positions should apply electronically via the following link: <http://apply.interfolio.com/68021>



Universität Hamburg

DER FORSCHUNG | DER LEHRE | DER BILDUNG



Hamburg is implementing an inter-university strategy to strengthen informatics and computer science in the context of digitalization. The cooperation platform ahoi.digital increases and enhances cooperation in informatics education, research, and technology transfer between Universität Hamburg, the Hamburg University of Applied Sciences (HAW), the Hamburg University of Technology (TUHH), and HafenCity University Hamburg (HCU).

As a University of Excellence, Universität Hamburg is one of the strongest research universities in Germany. As a flagship university in the greater Hamburg region, it nurtures innovative, co-operative contacts to partners within and outside academia. It also provides and promotes sustainable education, knowledge, and knowledge exchange locally, nationally, and internationally.

The Faculty of Mathematics, Informatics and Natural Sciences invites applications for a

PROFESSORSHIP (W2/W3) FOR INFORMATICS WITH A FOCUS ON AUTONOMOUS SYSTEMS

commencing as soon as possible, ref. no. 2310.

RESPONSIBILITIES:

We seek a scientist with an outstanding track record in the field of autonomous systems. The successful candidate is expected to independently represent the field of autonomous systems. We are looking for someone with a proven record of international publications and research in the field of autonomous systems with a research focus in the field, for example, of autonomous environment analysis or the management of sensor-based autonomous systems. Experience in the application of autonomous systems, for example, in areas such as driver assistance systems, intelligent robots, autonomous logistic systems, human-computer interaction, smart factories, or autonomous software monitoring systems is expected.

The successful candidate is further expected to actively participate in existing and planned interdisciplinary research projects in informatics in the field of cognitive systems. Links to cyber-physical systems, embedded systems, and chip design are desired. The position requires a willingness to work with other research groups in the Department and in interdisciplinary projects within Universität Hamburg.

Furthermore, we expect active participation in ahoi.digital, the cooperation platform for informatics at Hamburg's higher education institutions.

Section 12 subsection 7 sentence 2 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) applies.

REQUIREMENTS:

Academic qualifications and additional requirements as specified in Section 15 HmbHG.

Additional criteria:

Applicants are expected to have international research experience as well as a successful track record in acquiring external funding and carrying out externally funded projects. The University places particular emphasis on the quality of teaching and therefore requests that applicants provide details of their teaching experience and objectives.

Applicants should outline their proposed scientific direction for this position in a research proposal. The successful candidate is expected to have very good teaching skills and be prepared to contribute to undergraduate teaching in all degree programs at the Department of Informatics and the instruction of teacher-training students.

Following hearings, selected candidates will be assessed to ascertain skills in the areas of management and human resources.

In accordance with Section 14 subsection 3 sentence 3 HmbHG, Universität Hamburg seeks to increase the proportion of women in teaching and research and encourages female academics to apply.

Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

For further information, please contact Prof. Dr. Jianwei Zhang at +49 40 42838-2431 or zhang@informatik.uni-hamburg.de.

The application deadline is **7 November 2019**. Please submit your application, including CV, list of publications, teaching experience, external funding record, copies of certification and documents, three representative publications, teaching and research plans and the reference number 2310 preferably by email in a single PDF file to bewerbungen@verw.uni-hamburg.de or to: An den Präsidenten der Universität Hamburg, Stellenausschreibungen, Mittelweg 177, 20148 Hamburg.

Please do not submit original documents as we are **not** able to return them. Any documents submitted will be destroyed after the application process has concluded.



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Universität Hamburg
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ahoi digital
Allianz Hamburger Hochschulen für Informatik

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As a University for sustainability, we put human resources development and especially the development and advancement of our early career researchers at the fore of our strategic endeavors. By strengthening the tenure-track professorship, Universität Hamburg has introduced a new career opportunity for early career researchers. Junior professorships are aimed at researchers in the early stages of their career, within four years after completion of doctoral studies. Due to the success of the tenure-track program run by the Ministry for Education and Research and to strengthen the research area Cognitive Systems of the Department of Informatics, Universität Hamburg invites applications for the following tenure-track professorship:

The Faculty of Mathematics, Informatics and Natural Sciences invites applications for a

TENURE-TRACK PROFESSORSHIP (W1 TENURE TRACK LEADING TO A W2) FOR INFORMATICS WITH A FOCUS ON ASSISTIVE HEALTH SYSTEMS

commencing as soon as possible, ref. no. JP 299.

RESPONSIBILITIES:

The successful candidate is expected to teach and conduct research in the field of informatics, with a focus on assistive health systems. The successful candidate should contribute to the fundamentals and application of assistive health systems methodology.

We seek a scientist with a proven international track record in publications and research in assistive technology with a focus on assistive health systems. Assistive health systems use assistive technologies and systems to maintain or improve the functioning and wellbeing of an individual with special or health needs. Experience in assistive technology applications, for example, in overcoming difficulties with mobility or communication, or in the field of smart home systems, cooperative workspaces, and sensory or motor assistance is desired.

The successful candidate is further expected to actively participate in existing and planned interdisciplinary research projects in the Department of Informatics in the field of cognitive systems. This requires a willingness to collaborate with other research groups in the Department and in interdisciplinary projects within Universität Hamburg.

Furthermore, we expect active participation in ahoi.digital, the cooperation platform for informatics at Hamburg's higher education institutions.

Section 12 subsection 7 sentence 2 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) applies.

REQUIREMENTS:

Academic qualifications and additional requirements as specified in Section 18 HmbHG.

Additional criteria:

Applicants are expected to have international research experience as well as a successful track record in acquiring external funding and carrying out externally funded projects. The University places particular emphasis on the quality of teaching and therefore requests that applicants provide details of their teaching experience and objectives.

A tenure-track evaluation will be conducted during the second phase of the junior professorship in order to determine whether requirements for appointment to a W2 professorship have been met. Section 15 HmbHG applies. If the evaluation is positive, the candidate will be offered a tenured W2 professorship. The regulations prohibiting internal appointments (Hausberufungsverbot) also apply to this junior professorship.

In accordance with Section 14 subsection 3 sentence 3 HmbHG, Universität Hamburg seeks to increase the proportion of women in teaching and research and encourages female academics to apply.

Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

For further information, please contact Prof. Dr. Stefan Wermter at wermter@informatik.uni-hamburg.de.

The application deadline is **7 November 2019**. Please submit your application, including CV, list of publications, teaching experience, external funding record, copies of certification and documents, three representative publications, teaching and research plans and the reference number JP 299 preferably by email in a single PDF file to bewerbungen@verw.uni-hamburg.de or to: An den Präsidenten der Universität Hamburg, Stellenausschreibungen, Mittelweg 177, 20148 Hamburg.

Please do not submit original documents as we are not able to return them. Any documents submitted will be destroyed after the application process has concluded.



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Universität Hamburg

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As a University for sustainability, we put human resources development and especially the development and advancement of our early career researchers at the fore of our strategic endeavors. By strengthening the tenure-track professorship, Universität Hamburg has introduced a new career opportunity for early career researchers. Junior professorships are aimed at researchers in the early stages of their career, within four years after completion of doctoral studies. Due to the success of the tenure-track program run by the Ministry for Education and Research and to strengthen the research area Cognitive Systems of the Department of Informatics, Universität Hamburg invites applications for the following tenure-track professorship:

The **Faculty of Mathematics, Informatics and Natural Sciences** invites applications for a

TENURE-TRACK PROFESSORSHIP (W1 TENURE TRACK LEADING TO A W2) FOR INFORMATICS WITH A FOCUS ON SEMANTIC SYSTEMS

commencing as soon as possible, ref. no. JP 300.

RESPONSIBILITIES:

The successful candidate is expected to teach and conduct research in the field of informatics, with a focus on semantic systems. The successful candidate should contribute to the theoretical and methodological fundamentals of semantic systems, as well as their application.

We seek a scientist with a proven record in international publications and research in the symbolic processing of information with a research focus in the field of, for example, knowledge representation and inference particularly in cases of uncertain, vague, or ambiguous information; and knowledge acquisition using machine learning techniques combined with image, signal, or speech processing components. Experience in the application of, for example, planning and diagnostic reasoning in robotics, or information, assistance, and recommendation systems for heterogeneous and unstructured data for aviation, media, or health applications is desired.

The successful candidate is further expected to actively participate in existing and planned interdisciplinary research projects in the Department of Informatics in the field of cognitive systems, and, where possible, with links to data science and information governance technologies. This requires a willingness to collaborate with other research groups in the Department and in interdisciplinary projects within Universität Hamburg.

Furthermore, we expect active participation in ahoi.digital, the cooperation platform for informatics at Hamburg's higher education institutions.

Section 12 subsection 7 sentence 2 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) applies.

REQUIREMENTS:

Academic qualifications and additional requirements as specified in Section 18 (Hamburgisches Hochschulgesetz, HmbHG) applies.

Additional criteria:

Applicants are expected to have international research experience as well as a successful track record in acquiring external funding and carrying out externally funded projects. The University places particular emphasis on the quality of teaching and therefore requests that applicants provide details of their teaching experience and objectives.

A tenure-track evaluation will be conducted during the second phase of the junior professorship in order to determine whether requirements for appointment to a W2 professorship have been met. Section 15 HmbHG applies. If the evaluation is positive, the candidate will be offered a tenured W2 professorship. The regulations prohibiting internal appointments (Hausberufungsverbot) also apply to this junior professorship.

In accordance with Section 14 subsection 3 sentence 3 HmbHG, Universität Hamburg seeks to increase the proportion of women in teaching and research and encourages female academics to apply.

Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

For further information, please contact Prof. Dr. Chris Biemann at biemann@informatik.uni-hamburg.de.

The application deadline is **7 November 2019**. Please submit your application, including CV, list of publications, teaching experience, external funding record, copies of certification and documents, three representative publications, teaching and research plans and the reference number **JP 300** preferably by email in a single PDF file to bewerbungen@verw.uni-hamburg.de or to: An den Präsidenten der Universität Hamburg, Stellenausschreibungen, Mittelweg 177, 20148 Hamburg.

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Professional Opportunities

Candidates interested in the Yahoo! Founder Chair may access the electronic application via the following link: <https://apply.interfolio.com/46655>

Tulane University is an equal employment opportunity/affirmative action/persons with disabilities/veterans employer committed to excellence through diversity. Tulane will not discriminate against individuals with disabilities or veterans. All eligible candidates are encouraged to apply.

TU Wien, Austria

Announcement of an open position at the Faculty of Informatics, Full Professor of Artificial Intelligence Techniques

The TU Wien (Vienna University of Technology) invites applications for a Full Professor position at the Faculty of Informatics.

The applicant is required to have an outstanding academic record in Artificial Intelligence. In particular, the focus of the professorship will be on techniques and tools for Artificial Intelligence Systems. Topics of interest include but are not restricted to: Heuristic Problem Solving and Search, Question Answering, Algorithmic Decision Making, Probabilistic Models and Reasoning, Planning and Scheduling, Natural Language Understanding, Engineering of Intelligent Systems.

We offer excellent working conditions in an attractive research environment in a city with an exceptional quality of life.

For a more detailed announcement and information on how to apply, please go to:

<http://www.informatics.tuwien.ac.at/jobs>

Application Deadline: December 1, 2019

Universidad del Rosario

Full-time Faculty Positions in Applied Math and Computer Science

The Department of Applied Mathematics and Computer Science at Universidad del Rosario in Bogotá – Colombia – is opening several Assistant Professor positions.

Successful candidates should hold a Ph.D. degree in Applied Mathematics, Computer Science, Engineering or related fields, have teaching experience, and conduct research in one or more of the following fields or related areas:

- Cyber Security
- Computer Graphics
- Systems
- Software Development
- Data Science
- Artificial Intelligence
- Probability
- Actuarial Sciences

We will consider candidates with a strong international background and experience in research as well as teaching at the undergraduate and graduate levels.

Further information can be found at: bit.ly/2WCjM6j

Questions and documents can be sent to macc@urosario.edu.co.

Applications are due by October 31st, 2019.

University at Albany

Faculty Positions in Computer Science

The College of Engineering and Applied Sciences, University at Albany seeks applicants for faculty positions, open rank, beginning August 2020, in its Department of Computer Science. Applicants are encouraged to apply online.

Applicants must have a Ph.D. in Computer Science or a closely related discipline from a college or university accredited by the U.S. Department of Education or an internationally recognized accrediting organization. Applicants must be committed to teaching, research, and service. To apply, please submit a complete CV, including a list of publications, a research statement, and a teaching statement, along with the names and contact information for at least three references.

For a complete job description and application procedures, visit:

<https://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=104698>

Questions regarding the position may be addressed to the Search Committee at CSfacultysearch@albany.edu.

The University at Albany is an EO/AA/IRCA/ADA Employer.

Professional Opportunities

University at Buffalo

Assistant Professor of Research

The Department of Computer Science and Engineering (CSE) at University at Buffalo (UB) invites candidates to apply for the position of Research Assistant Professor (in house title Assistant Professor of Research). We are particularly looking for candidates who can operate effectively in a team environment and in a diverse community of students and faculty and share our vision of helping all constituents reach their full potential.

The successful candidate will be expected to teach courses at the graduate and undergraduate levels, mentor graduate students, advise students at all levels and maintain an active research program. The areas of research expertise is artificial intelligence.

The Department of Computer Science and Engineering is housed in a new \$75 M building. As part of the School of Engineering and Applied Sciences, the department offers both BA and BS degrees in Computer Science, a BS in Computer Engineering, a combined 5-year BS/MS program, a minor in Computer Science, and two joint programs (BA/MBA and Computational Physics), as well as MS and PhD programs.

The department has over 40 tenure-track faculty, 9 teaching faculty and approximately 1,200 undergraduate majors, 550 masters' students and 160 Ph.D. students. About twenty junior faculty have been hired since 2010, and we are continuing to expand. Two members of

our faculty currently hold key university leadership positions, and seven members of our faculty are IEEE and/or ACM Fellows. The department is well known for offering an excellent collaborative and nurturing environment for faculty. Recently, a cohort of five junior faculty received the CAREER awards in 2019, setting a national record.

Candidates must hold a doctorate in computer science, computer engineering or a closely related field. Ph.D. must be conferred prior to appointment.

Please apply online at <http://www.ubjobs.buffalo.edu/postings/21849>

The University at Buffalo is an affirmative action/equal opportunity employer and, in keeping with our commitment, welcomes all to apply including veterans and individuals with disabilities.

University of Alabama at Birmingham

Open Rank

The Department of Computer Science (CS) at the University of Alabama at Birmingham (UAB) is seeking candidates for two tenure-track/tenured faculty positions. While preference is given to candidates at the Assistant Professor rank, highly qualified candidates at Associate Professor and Professor rank will also be considered. For additional information about the Department, please visit: <http://www.cs.uab.edu/>.

Candidates with expertise in all core CS areas are sought, with preference given to candidates who could complement current department strengths in the areas of cybersecurity, data science, high-performance computing, programming languages, and biomedical applications. UAB has made a significant commitment to both research and teaching in Computer Science. Candidates must consequently have strong research and teaching credentials. Experience and success in funded research is desirable for junior-level candidates and required for senior-level candidates. UAB is a Carnegie "Very High Research Activity" University and ranked No. 1 nationally in the Times Higher Education World University Rankings, 2018 and 2019 Young University Rankings.

The CS Department at UAB offers PhD, MS, BS, and BA programs. The Department has a strong research focus, and a strong commitment to teaching, service, and outreach. The Department recently moved to a brand-new facility at University Hall and the goal is to grow the PhD, MS, and BS significantly over the next several years. Research funding is expanding significantly, and the Department has a leadership role in a Center focusing on Cyber Security and strong collaborations with the UAB Informatics Institute and the UAB Hugh Kaul Precision Medicine Institute. Collaborations with UAB's medical enterprise are strong and growing, with many opportunities for faculty to participate in interdisciplinary work.

Professional Opportunities

A Ph.D. in Computer Science or a closely related field is required. Applications should include a curriculum vitae, a list of publications and scholarly achievements, a statement of future research plans, a statement of teaching experience and philosophy, and contact information for at least three professional references. Applications and all other materials should be submitted through UAB's portal at People Admin: <https://uab.peopleadmin.com/postings/5119>

Review of candidates will begin December 16, 2019, and the search will continue until the position is filled.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of ethnicity, gender, faith, gender identity and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans. A pre-employment background investigation is performed on candidates selected for employment.

University of Arizona

Lecturer/Senior Lecturer/Principal Lecturer, Computer Science (NTE)

The Department of Computer Science at the University of Arizona is accepting applications from dedicated educators for Lecturer-track faculty positions at all ranks. Teaching faculty are critical to the department's mission and are appointed with the expectation of long-term

employment. The typical teaching load is two courses in each of the Fall and Spring semesters, but factors such as class size may reduce that load. Lecturers at all ranks teach both core and elective undergraduate courses, and actively participate in departmental faculty meetings, decision-making, planning, and service.

The Lecturer teaching track is non-tenure-eligible and offers a well-defined promotion path. Applicants must have an M.S. or higher in Computer Science or a closely-related discipline and will be considered for appointment at the Lecturer, Senior Lecturer, or Principal Lecturer ranks based on experience and evidence of teaching quality and effectiveness.

As of Fall 2019, the Department of Computer Science has 28 faculty members, including four Lecturers, two Senior Lecturers and one Principal Lecturer. The Department has a long history of excellent undergraduate and graduates instruction and research accomplishment with a diverse and enthusiastic student body.

The university is in Tucson, the heart of a metropolitan area of over a million people surrounded by five mountain ranges.

Tucson boasts a warm desert climate, 350 sunny days per year, and a wide variety of outdoor activities. More information about the University and its community is available at whyUA.arizona.edu.

For more information & to apply, please visit www.uacareers.com and look for posting F22095 or use this quick link to take you directly to this posting: <http://uacareers.com/postings/41984>

The University of Arizona is an Equal Opportunity Employer Minorities/Women/Vets/Disabled.

Review of applications will continue until the positions are filled. Please email lecturesearch@cs.arizona.edu if you have questions or need assistance.

University of Arkansas - Fayetteville

Assistant Professor

The Department of Computer Science and Computer Engineering at the University of Arkansas invites applications for two tenure-track assistant professor positions in (1) data science, including data mining, machine learning, and bioinformatics; and (2) embedded systems, cyber-physical systems, autonomous vehicles, Internet of Things, and cybersecurity, with a start date of August 2020.

For application details, visit <http://jobs.uark.edu/postings/36392> and <http://jobs.uark.edu/postings/36636>

The UA is AA/EO employer/Veterans/Disabled.

University of British Columbia

Assistant Professor, Artificial Intelligence/ Machine Learning (tenure-track)

The Department of Electrical and Computer Engineering at the University of British Columbia Vancouver campus invites applications for up to two tenure-

Professional Opportunities

track assistant professor positions in the area of fundamental methods for artificial intelligence/machine learning. We are seeking candidates to join a vibrant and broad artificial intelligence research community across UBC, with opportunities to participate in faculty-wide collaborations and initiatives such as the Center for Applied Internet Data Analysis (CAIDA) (<https://caida.ubc.ca/>). Exceptional candidates at the rank of associate professor may be considered.

Successful applicants will be expected to develop an independent research program that complements the department's existing strengths, assume teaching responsibilities at the undergraduate and graduate levels, and serve the department and university in various capacities. Applicants must demonstrate clear interest in and potential to achieve excellence in research, teaching, and service to the academic community. Publications in high-impact machine learning conferences and journals will be one of the key selection criteria.

Applicants should hold a doctoral degree in a relevant discipline and must be eligible to obtain a full or limited license with Engineers and Geoscientists British Columbia within five years of appointment.

Please submit applications to <https://ece.ubc.ca/our-department/openings/faculty-positions>. Applications should include a cover letter, curriculum vitae, research statement, teaching statement, and copies of two major publications. As part of their teaching and research statements, we invite candidates to

address how they will contribute to a diverse, equitable, and inclusive academic environment at UBC. Please direct enquiries about the position and the application process to

chair-recruiting@ece.ubc.ca.

Review of applications will begin on December 1st, 2019, and will be accepted until January 10th, 2020. The anticipated start date is July 1st, 2020, but is negotiable.



Assistant Professor - Public Health Computational Biology
School of Public Health and the Center for Computational Biology

The School of Public Health and the Center for Computational Biology in the College of Engineering at the University of California, Berkeley invite applications for a tenure track Assistant Professor position in the area of public health computational biology and human microbiome with an expected start date of July 1, 2020.

For more information about the position, including required qualifications and application materials go to <https://apptrkr.com/1638485>

The deadline to apply is November 8, 2019.
Please direct questions to juliaschuelke@berkeley.edu.
Please reference job number JPF02355.

UC Berkeley is an AA/EEO employer.



Assistant and Associate Professor
Electrical Engineering and Computer Sciences

The University of California, Berkeley invites applications for approved tenure and tenure-track positions in Electrical Engineering and Computer Sciences at the Assistant and Associate Professor level. Rank will be determined based on qualifications and experience. The expected start date at the Assistant Professor level is July 1, 2020. The expected start date at the Associate Professor level is January 1, 2021. For more information about the position, including required qualifications and application materials, please go to: <https://apptrkr.com/1635288>

The deadline to apply is December 9, 2019. For questions, please contact the Search Committee Chair at eeecs-faculty-recruiting@eeecs.berkeley.edu.

UC Berkeley is an AA/EEO employer.



Tenure Track Faculty Position - Computer Science

Description

The Computer Science Department of the Henry Samueli School of Engineering and Applied Science at the University of California, Los Angeles, invites applications for tenure-track positions in all areas of Computer Science. Applications are also encouraged from distinguished candidates at senior levels. Candidates must have a Ph.D. Quality is our key criterion for applicant selection. Applicants should have a strong commitment both to research and teaching and an outstanding record of research for their level of seniority. Salary is commensurate with education and experience.

The department is committed to building a more diverse faculty, staff and student body as it responds to the changing population and educational needs of California and the nation.

Qualifications

Applications are also encouraged from distinguished candidates at senior levels. Candidates must have a Ph.D at date of Hire to fulfill the basic qualification requirement.

Compensation/Benefits

Salary is commensurate with education and experience

How to apply

To apply, please visit:

<http://apptrkr.com/1630786>

Because of internal deadlines we encourage early applications. Only applications received by December 15, 2019 can be guaranteed full consideration.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: UC Nondiscrimination & Affirmative Action Policy.

activities benefit from strong links to the Institute for Computing, Information and Cognitive Systems (ICICS), the Advanced Materials and Process Engineering Laboratory (AMPEL), and the Stewart Blusson Quantum Matter Institute (QMI), as well as strong collaborations with the Department of Computer Science and other units within the Faculty of Applied Science. The department is situated on UBC's Point Grey campus in Vancouver, British Columbia. Vancouver is consistently rated one of the world's most livable cities. For more information about the Department of Electrical and Computer Engineering, please visit <https://ece.ubc.ca/>.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the BC Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Métis, Inuit, or Indigenous person. All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority.

The University of British Columbia is a global centre for research and teaching that is ranked among the top 40 universities in the world. The Department of Electrical and Computer Engineering is one of the largest academic units at

UBC, with approximately 400 graduate students and 1,000 undergraduate students. Our department is anticipating significant renewal over the next few years as we strengthen key areas in high demand. Our research and teaching

University of British Columbia

Assistant Professor, Software Engineering (tenure-track)

Professional Opportunities

The Department of Electrical and Computer Engineering at the University of British Columbia Vancouver campus invites applications for up to two tenure-track assistant professor positions in the area of software engineering.

Successful applicants will be expected to develop an independent research program that complements the department's existing strengths, assume teaching responsibilities at the undergraduate and graduate levels, and serve the department and university in various capacities. Applicants must exhibit clear interest in and potential to achieve excellence in research, teaching, and service to the academic community.

Applicants should hold a doctoral degree in a relevant discipline and must be eligible to obtain a full or limited license with Engineers and Geoscientists British Columbia within five years of appointment.

Please submit applications to <https://ece.ubc.ca/our-department/openings/faculty-positions>. Applications should include a cover letter, curriculum vitae, research statement, teaching statement, and copies of two major publications. As part of their teaching and research statements, we invite candidates to address how they will contribute to a diverse, equitable, and inclusive academic environment at UBC. Please direct enquiries about the position and the application process to chair-recruiting@ece.ubc.ca.

Review of applications will begin on December 1st, 2019, and will be accepted until January 10th, 2020. The anticipated start date is July 1st, 2020, but is negotiable.

The University of British Columbia is a global centre for research and teaching that is ranked among the top 40 universities in the world. The Department of Electrical and Computer Engineering is one of the largest academic units at UBC, with approximately 400 graduate students and 1,000 undergraduate students. Our department is anticipating significant renewal over the next few years as we strengthen key areas in high demand. Our research and teaching activities benefit from strong links to the Institute for Computing, Information and Cognitive Systems (ICICS), the Advanced Materials and Process Engineering Laboratory (AMPEL), and the Stewart Blusson Quantum Matter Institute (QMI), as well as strong collaborations with the Department of Computer Science and other units within the Faculty of Applied Science. The department is situated on UBC's Point Grey campus in Vancouver, British Columbia. Vancouver is consistently rated one of the world's most livable cities. For more information about the Department of Electrical and Computer Engineering, please visit <https://ece.ubc.ca/>.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been



Assistant Professor, Computer Science

Department Description:

The computer science department at USD is part of the Shiley-Marcos School of Engineering (SMSE), which is ranked by U.S. News in the top 15 of non-doctoral engineering schools. Our department supports an undergraduate program in computer science with approximately 100 majors, as well as an embedded software concentration in the undergraduate Integrated Engineering program. Our CS majors are highly-engaged and actively contribute to the mission of the department and the University. Our faculty is devoted to challenging and inspiring students to learn the technical skills, global perspective, social awareness and leadership ability needed to become change-making computer scientists.

For more information about the Shiley-Marcos School of Engineering and the computer science program, please visit <https://www.sandiego.edu/engineering/>.

Detailed Description:

The Computer Science Department at the University of San Diego (USD) invites applications for a faculty position to begin September 1, 2020. Based on the qualifications of the applicant, this position would be either a tenure-track position (Assistant or Associate level) or a contract position.

Job Requirements:

Successful candidates should have at least one of the following:

- A doctorate in Computer Science or a closely related field at the time of employment for a tenure-track position.
- At least 10 years of industry experience and a Bachelors in Computer Science or a closely related field for a contract position (Professor of Practice).

Preference will be given to candidates who are committed to outstanding teaching in a liberal arts setting as well as to developing and sustaining an active undergraduate-oriented research program. Additional preference will be given to candidates who are committed to advancing the university mission in issues of justice and care of our common home, who are able to establish and maintain industry ties, can contribute to senior capstone projects, are excited about undergraduate teaching, and have a commitment to working with diverse populations. Candidates from all areas of specialization will be considered, including but not limited to: Artificial Intelligence, Computer Security, Computer Graphics, Computer Vision, Human-Computer Interaction, Software Engineering, Distributed Systems, and Computer Science Education. Candidates able to work across disciplinary boundaries and within a collaborative environment are especially encouraged to apply.

USD and the School of Engineering place a high value on faculty who are engaged with changemaking, inclusion and diversity, and social impact. The ideal candidate will also contribute to USD's culture and mission and prepare leaders dedicated to ethical conduct and compassionate service. Candidates from underrepresented and underserved groups are strongly encouraged to apply.

Background check: Successful completion of a pre-employment background check.

Degree Verification Requirement: Persons offered employment in this position will be required to provide official education transcripts for degree verification purposes.

Posting Salary:

Commensurate with experience; Excellent Benefits.

The University of San Diego offers a very competitive benefits package, to include medical, dental, vision, a 12% retirement contribution given to you by the University (with three year vesting period), and access to on-campus Fitness Centers. Please visit the benefits section of our website to view all of the perks and benefits that USD has to offer. <http://www.sandiego.edu/hr/benefits/>

Your application materials should include the following:

- Curriculum vitae.
- Statement of teaching philosophy.
- A statement of research interests and plans (for prospective tenure track faculty) or a statement about how industry experiences and ties would integrate with our students' senior projects (for prospective Professors of Practice)

Review of applications will begin November 15, 2019 and continue until the position is filled.

Contact: Dr. John Glick, glick@sandiego.edu

If you have any technical questions or difficulties please contact the Employment Services Team at 619-260-6806, or email us at jobs@sandiego.edu

Additional Details:

The University of San Diego is an equal opportunity employer committed to diversity and inclusion and is especially interested in candidates who can contribute to the diversity and excellence of the campus community.

The University of San Diego is a smoking and tobacco-free campus. For more information, visit <http://www.sandiego.edu/smokefree>

To apply, visit <https://apptkr.com/1656718>

Professional Opportunities

underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the BC Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Métis, Inuit, or Indigenous person. All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority.

University of British Columbia

Assistant Professor, Software Systems (tenure-track)

The Department of Electrical and Computer Engineering at the University of British Columbia Vancouver campus invites applications for up to two tenure-track assistant professor positions in the area of software systems.

Successful applicants will be expected to develop an independent research program that complements the department's existing strengths, assume teaching responsibilities at the undergraduate and graduate levels, and serve the department and university in various capacities. Applicants must exhibit clear interest in and potential to achieve excellence in research, teaching, and service to the academic community.

Applicants should hold a doctoral degree in a relevant discipline and must be

eligible to obtain a full or limited license with Engineers and Geoscientists British Columbia within five years of appointment.

Please submit applications to <https://ece.ubc.ca/our-department/openings/faculty-positions>. Applications should include a cover letter, curriculum vitae, research statement, teaching statement, and copies of two major publications. As part of their teaching and research statements, we invite candidates to address how they will contribute to a diverse, equitable, and inclusive academic environment at UBC. Please direct enquiries about the position and the application process to chair-recruiting@ece.ubc.ca.

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strong collaborations with the Department of Computer Science and other units within the Faculty of Applied Science. The department is situated on UBC's Point Grey campus in Vancouver, British Columbia. Vancouver is consistently rated one of the world's most livable cities. For more information about the Department of Electrical and Computer Engineering, please visit <https://ece.ubc.ca>.

Equity and diversity are essential to academic excellence. An open and diverse community fosters the inclusion of voices that have been underrepresented or discouraged. We encourage applications from members of groups that have been marginalized on any grounds enumerated under the BC Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Métis, Inuit, or Indigenous person. All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority.

University of Calgary

Tenure-Track Positions, Department of Computer Science

Faculty of Science

The Department of Computer Science (CPSC) at the University of Calgary seeks outstanding candidates for 4 tenure-track positions at the Assistant Professor level and 2 tenure-track positions at the Instructor level.

Professional Opportunities

Applicants must possess a Ph.D. in Computer Science (or equivalent) at the time of appointment. The successful candidates must demonstrate evidence of a track record of publications in high-quality journals and conferences. Successful applicants must also show a strong willingness to contribute to the department's innovative teaching and research initiatives.

The following positions are available:

- Assistant Professor – Network Science
- Assistant Professor – Human-Centered Augmented Intelligence
- Assistant Professor – Video Game Design & Implementation
- Assistant Professor – Computer Science
- Instructor – Computer Science
- Instructor – Data Science

Further details on all positions are available on the Computer Science website <https://science.ucalgary.ca/computer-science/about/careers/opportunities>

Applications for all positions will be reviewed beginning November 15, 2019.

University of California at Riverside

Two Open-Rank Tenure-Track Positions in Computer Science

The Department of Computer Science & Engineering at the University of California at Riverside invites applicants for two tenure-track open-rank faculty positions

in the areas of Natural Language Processing, Machine Learning, and Computer Architecture.

To apply or for more information, visit <https://aprecruit.ucr.edu/JPF01177>. Review of applications will begin January 1, 2020, and will continue until the positions are filled.

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

University of California at Riverside

Open-Rank Tenure-Track Teaching Professor in Computer Science

The Department of Computer Science & Engineering at the University of California at Riverside invites applicants for a tenure-track open-rank teaching faculty position in the area of computer engineering.

At UCR, teaching professors are responsible mainly for undergraduate instruction and curriculum development. Successful candidates will need to exhibit the dedication to teaching and appropriate pedagogical knowledge and skills. Teaching faculty are also expected to be actively engaged in pedagogical innovation, TA training,

program accreditation, student advising, and scholarly activity in the area of computer science and computer engineering education.

A teaching professor appointment is similar to a traditional tenure-track professor appointment and follows a parallel track, including regular, rigorous performance reviews and a tenure process that, if successful, leads to a tenured appointment. Advancement through the faculty ranks is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

To apply or for more information, visit <https://aprecruit.ucr.edu/JPF01174>. Review of applications will begin January 1, 2020, and will continue until the positions are filled.

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

University of California, Irvine

Donald Bren School of Information and Computer Sciences

Tenured and Tenure-track Faculty Positions

Professional Opportunities

The Donald Bren School of Information and Computer Sciences (ICS) at the University of California, Irvine (UCI), home of the departments of Computer Science, Informatics, and Statistics, is seeking exceptional candidates for multiple tenured/tenure-track faculty positions. A detailed description of each position, and application instructions, can be found on the ICS website at <http://ics.uci.edu>. ICS is one of only five computing-focused schools among the Association of American Universities (AAU) members. The U.S. News and World Report 2018 Best Global Universities ranking identifies UCI as a top 75 university in computer science and one of the top 30 universities for a graduate degree in computer science in the United States. The School's Informatics Department is internationally renowned for addressing problems at the intersection of people and computing, offering top 10 programs in software engineering, human-computer interaction, and game design. With an emphasis on research in statistical theory and interdisciplinary collaborations, the School's Statistics Department has grown over the last 20 years to house the Center for Statistical Consulting and was one of the first in the world to offer an undergraduate degree in data science. The School's 100+ faculty members include 2 NAE Members, 14 ACM Fellows, 10 IEEE Fellows, 9 AAAS Fellows and many other national award winners.

The University of California, Irvine is ranked as a top 10 public university by U.S. News and World Report, and has been identified by the New York Times as No. 1

among U.S. universities that do the most for low-income students. UCI has done what no other school has done—rank among Sierra's Top 10 most sustainable colleges for nine years in a row, and is ranked number 1 for 2018. UCI is located in Orange County, 4 miles from the Pacific Ocean and 45 miles south of Los Angeles. Irvine is one of the safest communities in the U.S. and offers a very pleasant year-round climate, numerous recreational and cultural opportunities, and one of the highest-ranked public school systems in the nation.

The University of California, Irvine is an Equal Opportunity/Affirmative Action Employer advancing inclusive excellence. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, protected veteran status, or other protected categories covered by the UC nondiscrimination policy. A recipient of an NSF ADVANCE award for gender equity, UCI is responsive to the needs of dual career couples, supports work-life balance through an array of family-friendly policies, and is dedicated to broadening participation in higher education.

University of California Santa Barbara

Two Tenure-Track Assistant Professor Positions in Computer Engineering

The Electrical and Computer Engineering Department at UCSB

invites applications for two tenure-track, assistant professor positions in the field of Computer Engineering with an effective appointment date of July 1, 2020. Please visit <https://recruit.ap.ucsb.edu/JPF01597>.

The Department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service.

The University of California is an Equal Opportunity/Affirmative Action 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.

University of Central Florida (UCF)

Department of Electrical & Computer Engineering (ECE)

The department has openings for exceptional tenure-track faculty members, two in ECE plus another one in the areas of robotics for a multi-disciplinary cluster.

All emergent and traditional areas of ECE are considered. Of special interests are candidates in the following areas:

1. Learning and real-time decision making;
2. Secure hardware or secure cyber-physical systems; 3) High- performance computing and cloud computing; 4) AI and big data applications in ECE fields.

Professional Opportunities

The multi-disciplinary cluster of Disability, Aging and Technology (DAT) has several open faculty positions at the entry level. The areas of interest include cooperative co-robotics and dynamics and control. The DAT cluster *seeks transdisciplinary engagement in research and education* to link health and wellness interventions with *technology applications so that effective and feasible health*, behavioral, and assistive technologies can be used with diverse populations. More details can be found at our cluster website <https://www.ucf.edu/faculty/cluster/disability-aging-technology/>.

UCF offers a competitive salary and start-up package as well as generous benefits. New faculty members have graduate student support and significantly reduced teaching loads during their first two years of tenure-track employment. All applicants must have a Ph.D. in an area appropriate to the ECE disciplines by the start of the appointment and a strong commitment to academic activities, including teaching, scholarly publications and sponsored research. Successful candidates will have an exceptional record of scholarly research and, at the senior levels, be highly recognized for their technical contributions and leadership in their areas of expertise.

ECE has strong educational programs, with over 400 graduate students and 1,200 undergraduates, and state-of-the-art facility, the Harris Engineering Center and Interdisciplinary Research Building. The department has competitive

research programs funded by ARO, DARPA, Department of Defense, Department of Energy, Harris-L3T, Intel, Lockheed Martin, National Science Foundation, NASA, Siemens, and Texas Instruments as well as local high-tech start-ups.

UCF, located in Orlando, has over 68,000 students. ECE and UCF are at the center of Florida High Tech Corridor with an excellent industrial base in telecommunications, energy, computer systems, semiconductors, defense, space, lasers, simulation, software and the world-renowned entertainment/theme park industry. Exceptional weather, easy access to the seashore, one of the largest convention centers in the nation and an international airport that is among the world's best are just a few features that make the UCF/ Orlando area ideal.

UCF is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply, including minorities, women, veterans and individuals with disabilities. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

Please send inquiries for ECE positions to facultysearch@ece.ucf.edu and facultycluster@ucf.edu for the DAT cluster positions. To apply, please follow the instructions for the ECE positions and utilize the link for the DAT Cluster position.

ECE positions: Go to <https://jobs.ucf.edu>, search for position number 498157 to apply.

DAT Cluster position: <https://jobs.ucf.edu/en-us/job/498142/assistant-professor-disability-aging-and-technology>

University of Central Florida

*Associate or Full Professor,
Modeling & Simulation*

The School of Modeling, Simulation, & Training (SMST) at the University of Central Florida (UCF) is accepting applications for a faculty position within the Modeling & Simulation (M&S) graduate programs, <https://msggrad.ist.ucf.edu>, to begin no later than August 2020. This is a tenured, 9-month faculty appointment to teach and conduct research. We are specifically seeking an individual with appropriate experience who would serve as the M&S graduate program director (initially for up to a 3-year term). While serving as graduate program director, the faculty member will hold the internal title of "Modeling & Simulation graduate program director", and will have a reduced teaching load and receive a summer stipend. For a description of typical program director responsibilities, see <https://graduate.ucf.edu/graduate-guide>.

For more information about this position and to apply, go to: <http://jobs.ucf.edu/cw/en-us/job/498218?ApplicationSubSourceID>

UCF is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply, including minorities, women, veterans and individuals with

Professional Opportunities

disabilities. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

University of Chicago

Assistant Professor/Associate Professor/Professor, Computer Science

The Department of Computer Science in the Physical Sciences Division at the University of Chicago invites applications for tenure-track faculty positions at the rank of Assistant Professor, and tenured faculty positions at the ranks of Associate Professor and Professor. The search is open with respect to subfield, but we encourage applications from investigators in AI/Machine Learning, Natural Language Processing, Robotics, Human-Computer Interaction, Quantum Computing, and Security.

Members of the faculty in our department are expected to lead research programs that will produce significant contributions to a field, and teach and mentor at the undergraduate and graduate levels.

The Department of Computer Science (cs.uchicago.edu) is the hub of a large, diverse community of researchers focused on advancing the foundations of computing and driving its most advanced applications. We encourage connections with researchers across the university in such areas as bioinformatics, mathematics, molecular engineering, natural language processing, statistics, public policy, and social science, among others: the University's culture is highly collaborative.

The University of Chicago is in the midst of an ambitious, multi-year effort to significantly expand its computing and data science activities including a newly-opened, state-of-the-art home for the Department of Computer Science.

Completion of all requirements for a Ph.D. in Computer Science or a related field is required at the time of appointment. Candidates for Associate Professor and Professor positions must have evidence of leadership in their field and successful independent research.

Applications must be submitted online through the University of Chicago's Academic Jobs website, which uses Interfolio:

Assistant Professor

[apply.interfolio.com/68378]

Associate Professor

[apply.interfolio.com/68387]

Professor [apply.interfolio.com/68391]

Review of applications will begin on November 1, 2019 and will continue until all positions are filled.

The following materials are required:

- cover letter;
- curriculum vitae including a list of publications;
- statement describing past and current research accomplishments and outlining future research plans;
- description of teaching philosophy and experience;
- applicants are required to request

at least three confidential letters of recommendation via Interfolio.

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

Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-1032 or email equalopportunity@uchicago.edu with their request.

University of Colorado Boulder

Open Faculty Position in Computer Science Machine Learning

The Department of Computer Science at the University of Colorado Boulder is currently seeking applications for a faculty position in the area of Machine Learning. The position is open rank: Assistant, Associate, or Full Professor. This position is part of the long-term growth plans for the College of Engineering and Applied Science (CEAS), and we are especially interested in qualified candidates who can contribute, through their research, teaching, and service, to the diversity and excellence of our academic community. Within Machine Learning, we are

Professional Opportunities

particularly interested in candidates who develop novel algorithms and architectures, with potential application areas including, but not limited to, Computer Vision, Robotics, Data Science, and Natural Language Processing. Our primary consideration is the originality, intellectual diversity, and promise of the candidate's work.

Candidates will be expected to engage in undergraduate and graduate teaching, contribute professional service, and develop vigorous, externally funded research programs in their technical areas. Candidates whose expertise cuts across engineering and related disciplines are especially encouraged to apply. Potential faculty members applying to the Department of Computer Science at the University of Colorado Boulder should describe their plans to develop a recognized research program based on scholarly work in their particular field, their ideas for interdisciplinary collaboration, their experience and interests in teaching undergraduates and graduates, and their future plans for inspiring diverse students to conduct research.

The position will remain open until filled, though for full consideration applications should be received by December 1, 2019. Note: Application materials will not be accepted via email. For consideration, applications must be submitted through <https://jobs.colorado.edu/>.

University of Colorado Boulder

Open Faculty Position in Computer Science Trustworthy Software

The Department of Computer Science at the University of Colorado Boulder is currently seeking applications for a tenure-track faculty position in the area of secure and reliable software. This includes, but is not limited to, a broad swath of topics, including programming language foundations (e.g., type systems, language design), large-scale distributed systems (e.g., cloud computing), secure software (e.g., language-based security), probabilistic programming (e.g., languages for machine learning), automated reasoning (e.g., program analysis, software verification), industrial-scale computing (e.g., software engineering), and computing education research. However, many promising candidates may not identify their work under any of the specific areas listed. Such candidates are encouraged to contact the search chair (see below). The position is open at all levels, with emphasis on applicants at the Assistant Professor level. Candidates whose expertise cuts across engineering and related disciplines are especially encouraged to apply.

Candidates will be expected to engage in undergraduate and graduate teaching, contribute professional service, and develop vigorous, externally funded research programs in their technical areas. Potential faculty members applying to the Department of Computer Science at the University of Colorado Boulder

should describe their plans to develop a recognized research program based on scholarly work in their particular field, their ideas for interdisciplinary collaboration, their experience and interests in teaching undergraduates and graduates, and their future plans for inspiring diverse students to conduct research.

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University of Dallas

Assistant Professor of Computer Science

The University of Dallas, Constantin College of Liberal Arts, Mathematics department invites applications for a tenure-track position as Assistant Professor of Computer Science, to begin in the Fall of 2020. Applicants must have earned a Ph.D. in any area of computer science by August of 2020. The teaching load for this position is three courses each semester, drawn from the mathematics and computer science curricula, and will typically include at least four computer science courses each academic year. In addition, candidates are expected to engage in research and professional activities in accordance with department guidelines for tenure and promotion and to share in serving the needs of the department and university as outlined in the faculty handbook.

Professional Opportunities

Applications for the position should be made online at <https://hr.udallas.edu/apply/> and must include a cover letter indicating your interest in the position and qualifications to teach both computer science and mathematics courses; a curriculum vitae; a statement on teaching and a statement of research plans; and three letters of recommendation, at least one addressing teaching and at least one addressing research. Applications completed by December 1 will receive full consideration.

The University of Dallas is a private liberal arts college affiliated with the Catholic Church with approximately 1400 undergraduate students. The University's distinguished Core Curriculum emphasizes a classical curriculum in the Catholic intellectual tradition. The Mathematics department has a long, well-established history of using inquiry-based learning in many of its course offerings, both for majors and non-majors. Further information about the department and the university can be found at www.udallas.edu.

The University of Dallas seeks to recruit, develop, and retain faculty, staff, and administration of the highest caliber.

The University is an Equal Opportunity Employer and encourages applications from female and minority candidates and others who will enhance our community and advance our Mission.

University of Delaware

Department of Computer and Information Sciences

Tenure-track Assistant Professors

Applications are invited for tenure-track assistant professors in the areas of Cybersecurity, Human-Computer Interaction, Machine Learning, and Computer Vision. Applicants should hold a Ph.D. or its equivalent. We encourage all ambitious, innovative individuals, who have demonstrated excellence in research and drive to become leaders in their fields while engaging in high-quality teaching and mentoring of diverse students, to apply.

New faculty will have ample opportunities to join the many university initiatives, including the Data Science Institute (dsi.udel.edu), Cybersecurity Initiative (csi.udel.edu), and those supported by Delaware Biotechnology Institute (www.dbi.udel.edu), Center for Bioinformatics & Computational Biology (bioinformatics.udel.edu), Institute for Financial Services Analytics (www.lerner.udel.edu/centers/ifsa), and Health Sciences at the 272-acre STAR campus (chs.udel.edu/star/). The Department is vibrant and growing, currently with 23 tenure-track, 7 teaching, and 5 research faculty members, about 130 graduate students and 530 undergraduate students.

The University is a Land-Grant, Sea-Grant, and Space-Grant institution, and its beautiful 100-acre central campus is located halfway between Washington, DC

and New York City, and about one hour away from Baltimore and Philadelphia.

Please visit <https://careers.udel.edu/en-us/job/494439/> to apply. Review of applications will begin on November 15, 2019.

University of Florida

Assistant, Associate, or Full Professor

The Department of Computer & Information Science & Engineering (CISE) in the Herbert Wertheim College of Engineering (HWCoe) at the University of Florida invites applications for multiple nine-month academic, tenure-track positions at the rank of Assistant, Associate, or Full Professor with interests in research and teaching in all areas of computer and information science and engineering; areas of particular interest include **Artificial Intelligence and Machine Learning, Data Science, Cybersecurity and Programming Languages, and Quantum Computing**.

The University of Florida is the flagship campus of the State of Florida university system and is ranked as the #7 best public US university according to US News and World Report. The Department of CISE in the HWCoe is a vibrant, multidisciplinary highly-collaborative environment, consistently ranked among the top departments for both graduate and undergraduate programs. It offers BA, BS, MS, and PhD degrees in Computer Science and Computer Engineering, with an enrollment of 2,440 undergraduate

Professional Opportunities

students and 668 graduate students of which 148 are PhD students. The CISE department currently has 55 faculty. Collectively, the list of achievements and awards received by the faculty include one Fulbright Scholar; 17 NSF CAREER Award winners; six IEEE Fellows; three ACM Fellows; three AAAS Fellows; one IEEE Computer Society Taylor L. Booth Education Award; one IEEE Computer Society W. Wallace-McDowell Award; and one ACM Karl Karlstrom Outstanding Educator Award. The Department's external research expenditures were over \$8.8 million last year, an increase of over 60% over the past five years. Research is central to the success of the program, and new faculty will be expected to initiate and sustain strong sponsored research and graduate training programs.

The successful candidate is expected to have a doctoral degree in computer and information science and engineering or a related field is required at the time of hiring. In addition, the candidate should have a record of successful proposal writing, mentoring, and classroom teaching of undergraduate and graduate students.

The search is expected to be open and will continue to receive applications until the positions are filled. Application review will begin December 2, 2019. We anticipate at least two positions will initially be filled, with possible additional ones. Provide a letter of interest, detailed curriculum vitae, a teaching summary, and long-term goals, along with the names and email addresses of three or more references. Selected candidates

will be required to provide an official transcript to the hiring department upon hire. A transcript will not be considered "official" if a designation of "Issued to Student" is visible. Degrees earned from an educational institution outside of the United States are required to be evaluated by a professional credentialing service provider approved by National Association of Credential Evaluation Services (NACES). If an accommodation due to a disability is needed to apply for this position, please call 352-392-2477 or the Florida Relay System at 800-955-8771 (TDD). Hiring is contingent upon eligibility to work in the US. Searches are conducted in accordance with Florida's Sunshine Law.

Apply for this position at <https://dossier.interfolio.com/apply/54332>.

The University of Georgia

Lecturer Position in Artificial Intelligence/ Cognitive Science

The Institute for Artificial Intelligence at the University of Georgia invites applications for a full-time Lecturer position starting August 2020. Responsibilities include supporting our growing A.B. in Cognitive Science and M.S. in Artificial Intelligence degree programs by teaching courses at the undergraduate and combined undergraduate/graduate levels. The position is not tenure-track, but the Lecturer will be a valued member of our faculty and will be encouraged to propose/teach a course within the lecturer's area of specialization. Candidates should hold a Ph.D. in Artificial Intelligence, Cognitive

Science, Computer Science, or a related field. Credentials should reflect a strong commitment to education.

The Institute for Artificial Intelligence is an interdisciplinary research and instructional unit within the Franklin College of Arts and Sciences. AI and Cognitive Science are inherently interdisciplinary, and this is reflected in the mission and composition of the Institute. Our Faculty Fellows come from 12 different departments across 5 colleges at UGA, including the Departments of Computer Science, Philosophy, Linguistics, and Psychology, and the Colleges of Public Health and Engineering.

UGA is an EEO/AA/M/F/Vet/Disability Employer. For the full job announcement, please see www.ai.uga.edu/lecturer. To apply, please go to www.ugajobsearch.com/postings/126694. Review of candidates will begin November 13, 2019.

University of Georgia

Assistant Professor with emphasis on Natural Language Processing

The Department of Computer Science at the University of Georgia invites applications for a tenure-track assistant professor position, starting August 2020. This position will complement and further strengthen our department's research and education efforts in Natural Language Processing and offers a competitive salary and generous startup package.

Applicants should hold a Ph.D. in Computer Science or related field.

Professional Opportunities

The ideal candidate for this position will have a strong research background in Natural Language Processing, and be committed to excellence in both research and teaching.

Computer Science is a growing and congenial department of 35 faculty within the Franklin College of Arts and Sciences. The department has more than 1,150 undergraduate and more than 200 graduate students and offers the B.S., M.S., and Ph.D. degrees in CS. The teaching load allows for substantial concentration on research. In addition to the areas in which we are recruiting, our faculty cover a broad range of research interests, including algorithms, artificial intelligence, bioinformatics, brain imaging and mapping, computer security, computational science and high-performance computing, computer vision, data privacy, data science, distributed and real-time systems, machine learning, parallel and distributed computing, robotics, simulation, and semantic web. Please see <http://www.cs.uga.edu> for more information about the department and the university.

The Franklin College of Arts and Sciences, its many units, and the University of Georgia are committed to increasing the diversity of its faculty and students and sustaining a work and learning environment that is inclusive. Women, minorities, protected veterans and individuals with a disability are encouraged to apply. The University of Georgia is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for

employment without regard to race, color, religion, sex, national origin, ethnicity, age, genetic information, disability, gender identity, sexual orientation, or protected veteran status. Persons needing accommodations or assistance with the accessibility of materials related to this search are encouraged to contact Central HR (hrweb@uga.edu). Please do not contact the department or search committee with such requests.

The University of Georgia (UGA), a land-grant and sea-grant university with statewide commitments and responsibilities is the state's oldest, most comprehensive and most diversified institution of higher education (<http://www.uga.edu>). UGA is currently ranked among the top 20 public universities in U.S. News & World Report. The University's main campus is located in Athens, approximately 65 miles northeast of Atlanta, with extended campuses in Atlanta, Griffin, Gwinnett, and Tifton. UGA was founded in 1785 by the Georgia General Assembly as the first state-chartered University in the country. UGA employs approximately 2,348 full-time faculty and more than 8,980 full-time staff. The University's enrollment exceeds 37,500 students including over 28,800 undergraduates and over 8,700 graduate and professional students. Academic programs reside in 17 schools and colleges, as well as a medical partnership with Augusta University housed on the UGA Health Sciences Campus in Athens.

To apply, please go to <http://www.ugajobsearch.com/postings/121338>. Please upload a cover letter, curriculum vitae, and

short statements of research interests and teaching philosophy. Please provide contact information (email and telephone number) for three references. Review of applications will begin on November 13, 2019 and will continue until the position is filled.

The University of Hong Kong

Tenure - Track Faculty Position - Artificial Intelligence

Applications are invited for Professor / Associate Professor / Assistant Professor, full-time positions tenable from 1 January 2020. Applicants should have a Ph.D. degree in Computer Science, Computer Engineering, or a related field, with a strong commitment to research and teaching. A solid track record in research is essential. The position is open to all research areas in Computer Science, with preference given to candidates in the field of artificial intelligence and its subareas pertaining machine learning, computer vision, natural language processing and robotics, and a strong interest in applying AI to dental applications. The appointee is expected to participate in the joint research centre with the Faculty of Dentistry on Clinical Artificial Intelligence.

More information can be found at: <https://jobs.hku.hk/cw/en/job/498732/tenuretrack-professorassociate-professorassistant-professor>

Professional Opportunities

University of Houston

Department of Computer Science Professor of Practice Position

The Department of Computer Science at the University of Houston (www.cs.uh.edu) invites applications for a full-time ConocoPhillips Professor of Practice in Data Science. Hired faculty member will support the computer science department in the expansion of undergraduate and graduate-level coursework in Data Science in coordination with the Hewlett Packard Enterprise (HPE) Data Science Institute.

The Department of Computer Science at the University of Houston is a vibrant unit with a growing stature offering undergraduate (B.S.) and graduate degrees (M.S. and Ph.D.) in Computer Science. The department has 26 tenured and tenure-track faculty members, 7 instructional faculty members, 2 research faculty, 5 joint faculty, and over 1400 students across its degree programs. The department is committed to offering a stimulating program with a strong emphasis on high quality, state of the art education and research in the highly diverse and cosmopolitan environment that the University of Houston and the city of Houston provide. We seek outstanding candidates who hold an advanced degree in Computer Science, Computer Engineering, Statistics, or a closely related field. The ideal candidate has a proven teaching record along with significant industrial experience. The selected candidate is expected to introduce innovation in lecture and laboratory instruction.

The University of Houston's Hewlett Packard Enterprise Data Science Institute, in collaboration with departments and colleges, leads research, education, and service activities in the broad area of data science and scientific computing and their applications. This includes application areas that are important to the Houston economy: energy and health. The HPE DSI will build collaborative programs with public and private sector partners to advance data science and scientific computing in the metro area and beyond. The HPE DSI leads the University's educational focus on educating the data science workforce to gain expertise to function in a data-rich environment through degree programs, non-degree certificate programs, and hands-on experiences.

The University of Houston is a Carnegie-designated Tier One research institution and is the flagship campus of a state-assisted system. As the fourth largest city in the U.S. and the most ethnically diverse city in the country, Houston is a vibrant city to live and work. It has multi-national industries, commercial centers, the largest medical center in the world, a robust arts community, professional sports, an entrepreneurial approach to new technologies, and is considered the world capital for petroleum exploration and energy. The Chronicle of Higher Education has named the University of Houston as one of the best places to work.

Qualified and experienced candidates from industry are encouraged to apply.

Competitive compensation package, commensurate with qualifications and experience, will be offered. This is a non-tenure position. Candidate screening will begin immediately and to ensure full consideration applications must be received by December 1, 2019. Applications, including a resume or CV, a candidate statement, and names of 3 references should be submitted electronically. The candidate statement should describe relevant research and/or commercial projects, teaching and/or mentoring, and any ideas for lecture and laboratory instruction. Instructions on submitting the application can be found at: <http://www.cs.uh.edu/faculty-search>

The University of Houston is an ADVANCE institution, one of a select group of universities to receive NSF funds in support of our commitment to increasing diversity and the participation and advancement of women in STEM. We are seeking outstanding candidates with the potential for excellence in teaching and research, and a clear commitment to enhancing the diversity of the faculty, graduate, and undergraduate student population. The University of Houston is an Equal Opportunity/Affirmative Action institution. Minorities, women, veterans and persons with disabilities are encouraged to apply.

University of Illinois at Chicago

Clinical Track Teaching Faculty - Computer Science

Professional Opportunities

The Computer Science Department at the University of Illinois at Chicago is seeking full-time teaching faculty. The Clinical teaching track is a long-term career track that starts with the Clinical Assistant Professor position, and offers opportunities for advancement to Clinical Associate Professor and Clinical Full Professor. Applicants should have a PhD in Computer Science or closely related field, and candidates interested in Computer Science Education research are especially encouraged to apply. Candidates would be working alongside 15 full-time teaching faculty with over 150 years of combined teaching experience and 12 awards for excellence. The department seeks candidates dedicated to teaching. Candidates must provide evidence of effective teaching and present a convincing case of future dedication and success in the art of teaching. Content areas of interest include introductory programming, data structures, computer organization/ systems, web development, data science, software engineering, and machine learning. The standard teaching load is 1-3 undergraduate courses per semester (depending on course enrollment).

The University of Illinois at Chicago (UIC) is one of the top-ten most diverse universities in the US (US News and World Report), a top-ten best value (Wall Street Journal and Times Higher Education) and an hispanic serving institution. UIC's hometown of Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, Chicago offers an outstanding array of cultural and

culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks.

Minimum qualifications include a PhD in Computer Science or a closely related field, and either (a) demonstrated evidence of effective teaching, or (b) convincing argument of future dedication and success in the art of teaching. Applications are submitted online at <https://jobs.uic.edu/>. In the online application include a curriculum vitae, names and addresses of at least three references, a statement providing evidence of effective teaching, a statement describing your past experience in activities that promote diversity and inclusion (or plans to make future contributions), and recent teaching evaluations. For additional information contact Professor Mitch Theys, Committee Chair, mtheys@uic.edu.

For fullest consideration, please apply by October 15, 2019. We will continue to accept and review applications until the positions are filled.

The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Illinois at Chicago

Lecturer Non-Tenure Track - Computer Science

The Computer Science Department at the University of Illinois at Chicago is seeking full-time teaching faculty members. The Lecturer teaching track is a long-term career track that starts with the Lecturer position and offers opportunities for advancement to Senior Lecturer. Candidates would be working alongside 15 full-time teaching faculty with over 150 years of combined teaching experience and 12 awards for excellence. The department seeks candidates dedicated to teaching; candidates must have evidence of effective teaching, or present a convincing case of future dedication and success in the art of teaching. Content areas of interest include introductory programming, data structures, computer organization/ systems, web development, data science, software engineering, and machine learning. The standard teaching load is 1-3 undergraduate courses per semester (depending on course enrollment).

The University of Illinois at Chicago (UIC) is one of the top-ten most diverse universities in the US (US News and World Report), a top-ten best value (Wall Street Journal and Times Higher Education) and a Hispanic serving institution. UIC's hometown of Chicago epitomizes the modern, livable, vibrant city. Located on the shore of Lake Michigan, Chicago offers an outstanding array of cultural and culinary experiences. As the birthplace of the modern skyscraper, Chicago boasts

Professional Opportunities

one of the world's tallest and densest skylines, combined with an 8100-acre park system and extensive public transit and biking networks.

Minimum qualifications include an MS in Computer Science or a closely related field or appropriate graduate degrees for specific course material (e.g., computer ethics), and either (a) demonstrated evidence of effective teaching or (b) convincing argument of future dedication and success in the art of teaching. Applications are submitted online at <https://jobs.uic.edu/>. The online application includes a curriculum vitae, names and addresses of at least three references, a statement providing evidence of effective teaching, a statement describing your past experience in activities that promote diversity and inclusion (or plans to make future contributions), and recent teaching evaluations. For additional information contact Professor Mitch Theys, Committee Chair, mtheys@uic.edu.

For fullest consideration, please apply by October 15, 2019. We will continue to accept and review applications until the positions are filled.

The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed

in compliance with the Fair Credit Reporting Act.

University of Illinois Springfield

Tenure Track Assistant Professor of Computer Science (Two Positions)

The Computer Science Department at the University of Illinois Springfield (UIS) invites applications for two Assistant Professor, tenure track positions to begin August, 2020. The UIS Computer Science Department offers innovative programs in software engineering, information systems security, and data analytics. The department has been designated a National Center for Academic Excellence in Cyber Defense Education, and prides itself on its small class sizes and distinguished faculty dedicated to research and teaching. Applicants, especially early career, are invited. Salary is competitive and commensurate with qualifications. This is a full-time on-campus position. UIS tenure-system faculty are expected to be available and engaged in the campus community, with assigned professional responsibilities for teaching, scholarship, and service.

Located in the state capital, the University of Illinois Springfield is one of three members of the University of Illinois system. The University serves approximately 5,000 students in 22 graduate and 30 undergraduate programs. The academic curriculum offers students a strong liberal arts core, a wide range of professional programs, and close faculty

interaction. Making the most of its location in the state capital, UIS is broadly engaged in public policy and service. Its diverse student body includes traditional, non-traditional, and international students. Twenty-five percent of majors are in 17 undergraduate and graduate online degree programs and the campus has received several national awards for its implementation of online learning. UIS faculty are committed teachers, active scholars, and professionals in service to society. You are encouraged to visit the university web page at <http://www.uis.edu> and the department web page at <http://csc.uis.edu>.

Duties:

The position involves on-campus and online development and delivery of graduate and undergraduate computer science courses, a productive research program, service, and engaging students in research.

Qualifications:

A Ph.D. in Computer Science or closely related field is required (candidates who have completed all course work and have successfully defended the dissertation will be considered if such documentation is provided). Areas of desired specialty include computer security, artificial intelligence, data science, software engineering, algorithms, computer games, and internet of things; however, all areas will be considered.

Applications must be submitted online at <https://jobs.uis.edu/job-board>. Applicants should navigate to the Faculty category and Computer Science position.

Professional Opportunities

To apply, click the **“Apply for Position”** button below, create a profile, complete the online application, and upload a cover letter, curriculum vita, and contact information for three professional references. Letters of reference and transcripts may be requested at a later date. Review of applications will begin on January 5, 2020, and continue until the positions have been filled or the search is terminated. Only those applicants who complete the online application and upload all required materials by January 5, 2020, will be considered. To maintain the integrity and confidentiality of the search, applicants are asked to upload their own materials.

UIS is an affirmative action/equal opportunity employer with a strong institutional commitment to recruitment and retention of a diverse and inclusive campus community. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.

University of Iowa

Assistant Professor / Lecturer / Visitors

The University of Iowa Computer Science Department invites applications for multiple tenure-track, instructional, and visiting positions effective August 2020. Tenure-track positions are at the

Assistant Professor level, although more senior appointments may be considered. Instructional, visiting, and postdoctoral positions may also be available.

We seek creative and collaborative scholars from all areas of Computer Science who are open to working in a highly collegial and multidisciplinary environment. We are particularly interested in candidates who align with our current research portfolio, which includes: (i) algorithms and theory; (ii) artificial intelligence, machine learning, natural language processing, text analytics, and their applications; (iii) computational epidemiology and healthcare applications; (iv) computer science education and pedagogy; (v) human-computer interaction, accessibility, and virtual or augmented reality; (vi) mobile, embedded, real-time, and IoT systems; (vii) network design, measurement, and applications; (viii) programming languages, formal methods, and compilers; and (ix) security, privacy, and anonymity. Candidates must hold a Ph.D. in computer science or a closely related discipline at the time of appointment. For tenure-track positions, successful candidates must demonstrate the potential for research and teaching excellence and must align with our current research areas. Prior record of scholarly publication in leading venues and prior teaching experience are desirable. Appointments at a higher rank may also be possible. Responsibilities include conducting cutting-edge research in the candidate’s area of expertise, teaching undergraduate and graduate courses, supervising graduate student research, and making service and outreach contributions

to the Department, the College, the University, and the discipline.

We also seek instructional and visiting faculty with interests from across the spectrum of computer science. Candidates must hold a Ph.D. in computer science or a closely related discipline at the time of appointment. Successful candidates must demonstrate the potential for teaching excellence. For visitors, a prior record of scholarly publications in leading venues and prior teaching experience are desirable. For appointment as Lecturer, prior teaching experience is required; appointments at a higher rank may also be possible. Responsibilities include contributing to the Department’s multidimensional educational mission, teaching undergraduate and graduate courses, and making service and outreach contributions to the Department, the College, the University, and the discipline.

Postdoctoral research positions may be available in several of the Department’s many externally funded research groups.

For complete information and to apply online, visit <http://www.cs.uiowa.edu/hiring/>. Tenure- and instructional-track faculty applications received by January 15, 2020, are assured of full consideration; visiting and postdoctoral applicants will be considered on a rolling basis.

The Department of Computer Science and the College of Liberal Arts and Sciences are strongly committed to diversity; the strategic plans of the University and College reflect this commitment. All qualified applicants are encouraged to

Professional Opportunities

apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran. The University of Iowa is an equal opportunity / affirmative action employer.

University of Kansas

Assistant Professor Positions in Computer Science and Computer Engineering

The University of Kansas (KU) Department of Electrical Engineering and Computer Science seeks individuals for three tenure-track positions in the disciplines of computer engineering and computer science. Candidates are expected to contribute to the development of academic programs and contribute to the research community. Applicants are expected to have an earned doctorate, or equivalent in electrical engineering, computer science, computer engineering, or related fields at the time of appointment. The successful candidate must be eligible to work in the U.S. by the time of appointment. Applicants pursuing research in areas that are synergistic with departmental strengths are preferred. The following positions are open at the assistant professor (tenure-track) level, with experience in:

Computer Engineering (two

positions)—Applicants across all areas of computer engineering are encouraged

to apply, especially in digital hardware design, embedded systems, and emerging computer architectures. Applicants are sought who apply their expertise to both core and emerging applications of computer engineering, including but not limited to: hardware security, reliability, and assurance; GPUs and accelerators; cyber-physical systems and internet of things; robotics; bio-inspired and neuromorphic computing; and high-performance hardware. (<http://www.employment.ku.edu/academic/I5766BR>)

Computer Science (one position)—

Applicants focusing on the transforming of data into knowledge via machine learning are encouraged to apply. Expertise of interest ranges from classification to deep learning and neural networks, software/hardware implementation of machine learning algorithms, optimization and artificial intelligence, and data mining. (<http://www.employment.ku.edu/academic/I5765BR>)

Exceptional applicants in other closely related areas to the above topics may be considered.

The University of Kansas School of Engineering (SoE) and the EECS Department strongly value diversity, equity, and inclusion. We seek candidates who can contribute to fostering an inclusive culture. KU SoE is one of only 29 universities to achieve the exemplar, inaugural ASEE Diversity Recognition Bronze Award <https://diversityrecognition.asee.org/award-recipients/>.

Applications should be submitted at <http://employment.ku.edu/academic->

[jobs](#). Applications should include a letter of application, a curriculum vitae, a statement of research interests and plans, a statement of teaching interests including plans for broadening participation in computing/computer engineering, and contact information for three references. Applications will be reviewed beginning November 15, 2019, and will be accepted until the position is filled. The appointment will be effective as negotiated. Questions can be sent to: EECS_Search@eecs.ku.edu.

KU is an EO/AAE, full policy can be found at: <http://policy.ku.edu/IOA/nondiscrimination>. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy), age, national origin, disability, genetic information or protected Veteran status.

University of Kentucky

Assistant Professor

The Department of Computer Science at the University of Kentucky invites applications for a tenure-track faculty position to begin August 2020. We seek excellent candidates in all areas, with a particular desire for expertise in data science and the related areas of machine learning, big data, cloud computing, and data mining. We will consider all ranks, with a preference for candidates at the assistant professor level. Outstanding candidates at the rank of assistant professor will be considered for an endowed fellowship.

Professional Opportunities

We are seeking energetic and creative faculty who have a passion for teaching students. Candidates should be able to teach courses in our newly established graduate program in Data Science, upper-level courses in their areas of expertise, and, ultimately, core courses in our ABET-accredited undergraduate Computer Science program.

We favor researchers who are eager to collaborate to solve problems that extend beyond their own research areas. Our faculty members have established research programs with other members of the department and with a wide variety of other departments and programs, including statistics, biology, linguistics, internal medicine, electrical engineering, computer engineering, and the humanities.

The Department, one of the first computer science departments in the United States, has 22 faculty members committed to excellence in education, research, and service. We offer programs leading to the Bachelors, Masters, and Ph.D. degrees. The University of Kentucky is located in Lexington, the scenic heart of the Bluegrass Region of Kentucky. With recognition as one of the safest, most creative, and well-educated cities in the nation, Lexington is an ideal location to build an outstanding, work-life balanced career.

Candidates must have earned a PhD in Computer Science or closely related field at the time employment begins. To apply, a University of Kentucky Academic Profile must be submitted at

the following link: <http://ukjobs.uky.edu/postings/250618>

Applications are now being accepted. Review of credentials will begin immediately and continue until the positions are filled.

Questions should be directed to HR/Employment by phone at 1-859-257-9555 press 2 or email (ukjobs@email.uky.edu), or to Diane Mier (diane.mier@uky.edu) in the Computer Science Department.

Upon offer of employment, successful applicants must undergo a national background check as required by University of Kentucky Human Resources. The University of Kentucky is an equal opportunity employer and especially encourages applications from minorities and women.

University of Louisville

Tenure-Track Assistant Professor Position (#2) in Computer Engineering and Computer Science

The Department of Computer Engineering and Computer Science (CECS) at the University of Louisville invites applications for a tenure-track Assistant Professor position. Outstanding candidates at higher ranks may also be considered. We seek candidates in all areas of computer science; however, candidates with core research interests in cybersecurity and privacy, including but not limited to systems and hardware security (operating systems, distributed systems, embedded systems, cyber-physical

systems, etc.), software security, data security and privacy-preserving protocols, network security, blockchains, and cryptocurrencies, and trust management, are especially encouraged to apply.

The department offers ABET-accredited BS and MENG degrees in CECS, an MS degree in CS, and a Ph.D. degree in CSE. Successful candidates will be expected to teach core undergraduate CECS courses, in addition to graduate-level courses in her/his research areas; develop an independent, externally funded research program commensurate with the expectations of an R1 university along with a commitment to high-quality teaching; mentor diverse students; participate in all aspects of the department's mission; and serve the profession.

Review of applications will commence on January 6, 2020, and will continue until the position is filled. Applicants must apply online at <http://www.louisville.edu/jobs> and submit: (1) a cover letter clearly stating the position name and job ID number; (2) a curriculum vitae (including the names and contact information of at least three referees); (3) a research statement; and (4) a teaching statement.

The full position description and application details can be found at the following link:

<https://www.higheredjobs.com/details.cfm?JobCode=177113459>

Professional Opportunities

University of Louisville

Tenure-Track Assistant Professor

*Position in Computer Engineering and
Computer Science*

The Department of Computer Engineering and Computer Science (CECS) at the University of Louisville invites applications for a tenure-track Assistant Professor position. Outstanding candidates at higher ranks may also apply.

Exceptional candidates in all areas of CECS will be considered, but of particular interest are candidates specializing in the areas of Robotics, Embedded Systems, IoT, Hardware-Embedded Intelligence and Learning and Optimization, Artificial Intelligence, and Cyber-Physical Systems.

CECS offers ABET-accredited BS and MENG degrees in CECS, an MS degree in CS, and a PhD degree in CSE. Successful candidates will be expected to teach core undergraduate CECS courses such as introduction to programming, data structures, algorithms, embedded systems, and operating systems.

Applicants must submit: (1) a cover letter clearly stating the position name and job ID number; (2) a curriculum vitae (including the names and contact information of at least three referees); (3) a research statement; and (4) a teaching statement. Review of applications will commence on January 6, 2020, and will continue until the position is filled.

The full position description and application details can be found at the following link:

<https://www.higheredjobs.com/details.cfm?JobCode=177093688>

University of Louisville

*Assistant Professor Term (Computer
Engineering and Computer Science)
Position Description*

The Department of Computer Engineering and Computer Science at the University of Louisville seeks candidates for a Term Assistant Professor position (non-tenure track) with a start date of January, 2020. Ideal candidates will have a Ph.D. in Computer Engineering and/or Computer Science (or a closely related field), a strong grasp of the fundamentals, outstanding communication skills, and a passion for making meaningful, positive contributions to the educational experience. Moreover, because this position emphasizes teaching, the ideal candidate should be comfortable teaching a broad range of Computer Science and Engineering courses. These subjects include but are not limited to C/C++, Java/OOP, Data Structures, Cybersecurity, Embedded Systems, Databases and Operating Systems.

The Speed School of Engineering is home to eight departments, with an undergraduate enrollment of approximately 2000; the university has an approximate undergraduate enrollment 17,500. The university also has a graduate enrollment of approximately 4,200, in keeping with its research one status. Located between Cincinnati, Indianapolis, and Nashville, Louisville is the state's major metropolitan area with a population

of approximately 750,000.

Applications consist of a cover letter that indicates qualifications for the position (1 page), a statement of teaching experience and philosophy (3 pages max.), a current curriculum vitae, and a list of names and contact information for 3 references. Materials are to be submitted online. Review of applications will begin on September 30, 2019; applications will be accepted until the position is filled.

Equal Employment Opportunity

The University of Louisville is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, sex, age, color, national origin, ethnicity, creed, religion, disability, genetic information, sexual orientation, gender, gender identity and expression, marital status, pregnancy, or veteran status. If you are unable to use our online application process due to an impairment or disability, please contact the Employment team at employment@louisville.edu or 502.852.6258.

<https://www.higheredjobs.com/clickthru/redirect.cfm?JobCode=177093687>

University of Maryland

Full/Associate Professor

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill multiple faculty positions, with starting dates

Professional Opportunities

on or after July 1, 2020. The openings are not restricted to any rank and outstanding candidates at all levels are encouraged to apply. Successful applicants will also be considered for joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

Exceptional candidates in all areas of computer science, including but not limited to Artificial Intelligence, Computer Vision, Cybersecurity, Data Sciences, Human-Computer Interaction, Machine Learning, Programming Languages, Software Engineering, etc. are being sought. Applicants working at the boundary of computer science and related disciplines, including Computational Linguistics and Natural Language Processing, Quantum Computing, Robotics, and Scientific Computing are also encouraged to apply and may be considered for joint positions with other departments or institutes on campus. A candidate should indicate in their cover letter if they might be interested in such a joint appointment.

The department is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply online at <https://ejobs.umd.edu/postings/73625>. The review of applications will begin on October 15, 2019, and applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by that date for full consideration. Candidates will be prompted when submitting application to submit all information for their references. Questions can be directed to the faculty recruitment committee at: faculty-search@cs.umd.edu.

The Department of Computer Science at the University of Maryland is consistently ranked among the top- 15 nationally. It is one of the largest departments in the country, with approximately 55 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 295 doctoral students drawn from top undergraduate programs nationally and internationally. In 2019, the department moved into its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the Department of Computer Science and UMIACS is available at <http://www.cs.umd.edu> and at <http://www.umiacs.umd.edu>. To learn more about the Iribe Center, please visit: <https://iribe.umd.edu/>.

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250-acre College Park campus is minutes away from Washington, D.C., the nexus of the nation's

legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, three international airports, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

University of Maryland

Assistant/Associate/Full Professor

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill multiple endowed positions by Capital One, with start dates on or after July 1, 2020. Outstanding mid-career and/or senior candidates are encouraged to apply. Successful applicants will also be considered for joint appointments with the

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University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

Exceptional candidates in Machine Learning, Data Science, and Cybersecurity are being sought. Applicants working at the boundary of computer science and related disciplines are also encouraged to apply and may be considered for joint positions with other departments or institutes on campus. A candidate should indicate in their cover letter if they might be interested in such a joint appointment.

The department is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply online at <https://ejobs.umd.edu> in order to receive consideration. Search under Faculty for position #123708. The review of applications will begin on October 15, 2019, and applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by that date for full consideration. Candidates will be prompted when submitting an application to submit all information for their

references. Questions can be directed to the faculty recruitment committee at: capitaloneresearch@cs.umd.edu.

The Department of Computer Science at the University of Maryland is consistently ranked among the top-15 nationally. It is one of the largest departments in the country, with approximately 55 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 295 doctoral students drawn from top undergraduate programs nationally and internationally. In 2019, the department moved into its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the Department of Computer Science and UMIACS is available at <http://www.cs.umd.edu> and at <http://www.umiacs.umd.edu>. To learn more about the Iribe Center, please visit: <https://iribe.umd.edu/>.

The University of Maryland, College Park, was founded in 1856 and is the flagship institution in the University System of Maryland. Its 1,250-acre College Park campus is minutes away from Washington, D.C., the nexus of the nation's legislative, executive, and judicial centers. This unique proximity to business and technology leaders, federal departments and agencies, and a myriad of research organizations, embassies, think tanks, cultural centers, and non-profit organizations offers unique opportunities for engagement for faculty and students.

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all

applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion,

sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

University of Maryland

Associate Professor- Theoretical Computer Sciences- #125319

The Department of Computer Science at the University of Maryland, College Park, MD, USA is recruiting to fill an endowed position by Brin Family Foundation, with start dates on or after July 1, 2020. Outstanding mid-career and senior candidates in theoretical computer sciences across all sub-fields are encouraged to apply. Successful applicants will also be considered for joint appointments with the University of Maryland Institute for Advanced Computer Studies (UMIACS), a multi-disciplinary research institute.

Exceptional candidates with possible focuses on advancing fundamental understanding and theoretical

Professional Opportunities

development related to Quantum Computing, Machine Learning, Data Science, Cybersecurity, and Artificial Intelligence are being sought. Applicants working at the boundary of computer science and related disciplines are also encouraged to apply, and may be considered for joint positions with other departments or institutes on campus. A candidate should indicate in their cover letter if they might be interested in such a joint appointment.

The department is committed to building a diverse faculty pre-eminent in its missions of research, teaching, and service to the community, and it especially encourages applications from women and underrepresented minorities. In addition, candidates who have experience engaging with a diverse range of faculty, staff, and students and contributing to a climate of inclusivity are encouraged to discuss their perspectives on these subjects in their application materials.

Interested candidates should apply on-line at <https://ejobs.umd.edu/postings/73626> in order to receive consideration. The review of applications will begin on October 15, 2019, and applicants are strongly encouraged to have complete versions of their materials – including a cover letter, a curriculum vitae, research and teaching statements, and recommendation letters from at least four references – uploaded by that date for full consideration. Candidates will be prompted when submitting application to submit all information for their references. Questions can be directed

to the faculty recruitment committee at: brinchairsearch@cs.umd.edu.

The Department of Computer Science at the University of Maryland is consistently ranked among the top- 15 nationally. It is one of the largest departments in the country, with approximately 55 full-time tenured and tenure-track faculty covering a wide variety of research areas and over 295 doctoral students drawn from top undergraduate programs nationally and internationally. In 2019, the department moved into its new state-of-the-art facility, the Brendan Iribe Center for Computer Science and Engineering. Additional information about the Department of Computer Science and UMIACS is available at <http://www.cs.umd.edu> and at <http://www.umiacs.umd.edu>. To learn more about the Iribe Center, please visit: <https://iribe.umd.edu/>.

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regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.

University of Massachusetts Amherst

Assistant/Associate Professor-Informatics

The College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst (UMass Amherst) invites applications for tenure-track faculty at the Associate and Assistant Professor levels from computer scientists whose research applies a computational lens to challenges from other disciplines. Exceptional candidates at other ranks may be considered.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502780/assistantassociate-professorinformatics>

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

Professional Opportunities

University of Massachusetts Amherst

Assistant/Associate Professor- Information Retrieval (IR)

The College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst (UMass Amherst) invites applications for tenure-track faculty at the Associate and Assistant Professor levels in Information Retrieval (IR). Exceptional candidates at other ranks may be considered. Candidates are expected to build on and complement the internationally recognized strength in IR at UMass. The Center for Intelligent Information Retrieval has been an important part of the research that has led to search engines being one of the most-used information technologies in current mobile and desktop environments.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502754/assistantassociate-professorinformation-retrieval-ir>.

UMass is an Affirmative Action/Equal Opportunity employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected groups.

University of Massachusetts Amherst

Assistant/Associate Professor-Software Engineering & Programming Languages

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for tenure-track faculty at the Associate and Assistant Professor levels whose research focuses on Software Engineering or Programming Languages, broadly construed, or related areas. Exceptional candidates at other ranks may be considered.

For a complete position announcement including minimum qualifications and application instructions, please see: <http://careers.umass.edu/amherst/en-us/job/502777/assistantassociate-professorsoftware-engineering-programming-languages>.

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

University of Massachusetts Amherst

FT/PT Lecturer/Sr. Lecturer

The College of Information and Computer Sciences (CICS) at the University of Massachusetts is looking for exceptional full-time and part-time teachers. We encourage applications from teachers in any area of the information and computer sciences, but we currently have the strongest need for faculty who can teach security, software engineering, theory of computation, artificial intelligence, health informatics, and data science courses.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502752/ftpt-lecturersr-lecturer-information-computer-sciences>.

UMass is an Affirmative Action/Equal Opportunity employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

Teaching Fellow

The College of Information and Computer Sciences (CICS) at the University of Massachusetts Amherst is looking for exceptional PhD recipients who are interested in furthering their teaching experience as Teaching Fellows while maintaining research activity in preparation for a future faculty position. We encourage applications from recent PhD recipients as well as those expected to be conferred in the next year.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502750/teaching-fellow-lecturer-information-computer-science>.

UMass is an Affirmative Action/Equal Opportunity employer of women, minorities, protected veterans, and

Professional Opportunities

individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Amherst

Assistant/Associate Professor-Data Science

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for multiple tenure-track faculty openings at the Associate and Assistant Professor levels in the broad area of Data Science. Exceptional candidates at other ranks may be considered. All areas of data science will be considered, including especially natural language processing, computer vision, machine learning, statistics, optimization, deep learning, reinforcement learning, game theory, fairness/accountability, systems for data science, theory for data science, as well as applications to computational economics, agriculture, ecology, education, biomedicine, images, and text.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502779/assistantassociate-professordata-science>.

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

University of Massachusetts Amherst

Assistant/Associate Professor-Theory

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for tenure-track faculty in Theoretical Computer Science at the Associate and Assistant Professor levels. Exceptional candidates at other ranks may be considered.

For a complete position announcement including minimum qualifications and application instructions, please see <http://careers.umass.edu/amherst/en-us/job/502778/assistantassociate-professortheory>.

UMass is an Affirmative Action/Equal Opportunity employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members.

University of Massachusetts Dartmouth

Faculty Positions in Computer and Information Science

The Department of Computer and Information Science (CIS) in the College of Engineering at the University of Massachusetts Dartmouth invites applications for a tenure-track faculty position at the assistant professor level and a full-time lecturer beginning in September 2020:

Tenure-Track Faculty Position in Computer and Information Science

The department is particularly interested in candidates with a research focus in the areas of data analytics, human-computer interaction, and data visualization. The University of Massachusetts Dartmouth has growing expertise and a strong interdisciplinary emphasis in data analytics that incorporates informatics, machine learning, data analysis, and predictive and visual analytics. We expect the successful candidate to establish a strong independent research program while strengthening interdisciplinary collaborations with researchers across campus.

<http://careers.umassd.edu/dartmouth/en-us/job/502607/assistant-professordata-analytics>

Full-Time Lecturer Position in Computer and Information Science

The department is particularly interested in candidates in the area of cybersecurity or a related field in computer science. This is a 9-month, non-tenure-track position with primary responsibilities for online graduate instruction as well as undergraduate and graduates classroom instruction. Initial appointment is up to 2 years, with the possibility of renewal.

<http://careers.umassd.edu/dartmouth/en-us/job/502608/fulltime-lecturercomputer-information-science>

Screening of complete applications will begin November 15, 2019, and continue until the positions are filled. Apply online at <http://www.umassd.edu/hr/employmentopportunities/>

Professional Opportunities

More information about the Computer and Information Science Department can be found here: <https://www.umassd.edu/engineering/cis/>

UMass Dartmouth is an Affirmative Action, Equal Opportunity, Title IX Employer. The University of Massachusetts reserves the right to conduct background checks on potential employees.

University of Memphis

Assistant Professor Tenure Track

The Department of Computer Science at the University of Memphis is seeking candidates for Assistant Professor position(s) beginning Fall 2020. Exceptionally qualified candidates in all areas of computer science are invited, while candidates with core expertise in emerging areas of edge computing, machine learning, and software engineering are particularly encouraged to apply. Successful candidates are expected to develop externally sponsored research programs, lead or participate in collaborative research projects within Computer Science and beyond, teach both undergraduate and graduate courses and provide academic advising to students at all levels. Candidates from minority and underrepresented groups are highly encouraged to apply.

Applicants should hold a PhD in Computer Science, or related discipline, and be committed to excellence in both research and teaching. Salary is highly competitive and dependent upon qualifications.

The Department of Computer Science (www.memphis.edu/cs) offers B.S., M.S., and Ph.D. programs as well as graduate certificates in Data Science and Information Assurance. The Department has been ranked 55th among CS departments with federally funded

research. The Department regularly engages in large-scale multi-university collaborations across the nation. For example, CS faculty lead the NIH-funded Big Data "Center of Excellence for Mobile Sensor Data-to-Knowledge (MD2K)" and the "Center for Information Assurance"



University of Missouri

Assistant, Associate, Full Professors In Cyber Security & High Assurance Computing

The Department of Electrical Engineering and Computer Science at the University of Missouri seeks applications for five tenure-track/tenured positions at the rank of Assistant, Associate, and Full Professor, starting Fall 2020. These five positions are part of a University of Missouri strategic initiative in Cyber Security and complement recent hiring in that area. The university has been recently designated as a NSA Cyber Defense-Center of Academic Excellence (Research) and is seeking to build on its success.

Applicants must have a Ph.D. in Computer Science, Computer Engineering or a closely related field. Preferred candidates will have success in research, and a strong commitment to excellence in teaching. For a candidate seeking a position at the level of Associate or Full Professor, a record of attracting external research funding appropriate to their rank is an essential factor. We also encourage applicants with a history of, or an interest in, interdisciplinary research. The focus of these hires will be in Cyber Security, broadly construed, including formal methods, systems, and theory.

We are especially interested in:

- Hardware and Embedded Systems Security;
- Secure Software Engineering (including static binary analysis, language-based security, and software verification);
- Wireless Security;
- Cloud Security;
- Cyber-Physical Systems and Internet of Things.

Applications will be reviewed immediately upon receipt and will continue until the positions are filled.

Application: Applicants should submit a CV, a research plan, a teaching statement and a list of three to five professional references electronically to <https://hrs.missouri.edu/find-a-job/academic> refer to Job ID **31546**.

Inquiries can be directed to the search committee at securityhiring@missouri.edu.

The University of Missouri is a Tier I research institution and one of only 60 public and private U.S. universities invited to membership in the prestigious Association of American Universities. The university was founded in 1839 in Columbia as the first public university west of the Mississippi River. Today, with an enrollment of more than 35,000 students, 13,000 full-time employees and 300,000 alumni, Mizzou is a \$2.2 billion enterprise and an important investment for the state and nation.

MU specifically invites and encourages applications from qualified women and members of groups underrepresented in science. Equal Opportunity/Affirmative Action/ADA employer firmly committed to fostering ethnic, racial, and gender diversity in our faculty.

Professional Opportunities

(CfIA). In addition, CS faculty work closely with multidisciplinary centers at the university such as the “Institute for Intelligent Systems” (IIS).

Well known as America’s distribution hub, Memphis was ranked as America’s 6th best city for jobs by Glassdoor in 2017. Memphis metropolitan area has a population of 1.3 million. It boasts a vibrant culture and has a pleasant climate with an average temperature of 63 degrees.

Screening of applications begins immediately. For full consideration, application materials should be received by December 1, 2019. However, applications will be accepted until the search is completed.

To apply, please visit <https://workforum.memphis.edu/postings/23648>. Include a cover letter, curriculum vitae, teaching and research statements, and three letters of recommendation. Direct all inquiries to Corinne OConnor (cconnor2@memphis.edu).

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

University of Michigan

Computer Science and Engineering Faculty Positions

Computer Science and Engineering (CSE) at the University of Michigan

invites applications for multiple tenure-

track and teaching faculty (lecturer) positions. We seek exceptional candidates at all levels in all areas across computer science and computer engineering, with special emphasis on candidates at the early stages of their careers. Qualifications include an outstanding academic record, an awarded or expected doctorate or equivalent in computer science or computer engineering, and a strong commitment to teaching and research. Candidates are expected, through their research, teaching, and/or service, to contribute to the diversity and excellence of the academic community. We also have a targeted search for an endowed professorship in theoretical computer science (the Fischer Chair).

The University of Michigan is one of the world’s leading research universities, consisting of highly ranked departments and colleges across engineering, sciences, medicine, law, business, and the arts, with a commitment to interdisciplinary collaboration. CSE is a vibrant and innovative community, with over 70 world-class faculty members, over 300 graduate students, and a large and illustrious network of alumni. Ann Arbor is known as one of the best small cities in the nation. The University of Michigan has a strong dual-career assistance program.

We encourage candidates to apply as soon as possible. Positions remain open until filled and applications can be submitted throughout the year.

For more details on these positions and to apply, please visit <https://cse.engin.umich.edu/about/faculty-hiring/>

Michigan Engineering’s vision is to be the world’s preeminent college of engineering serving the common good. This global outlook, leadership focus, and service commitment permeate our culture. Our vision is supported by our mission and values that, together, provide the framework for all that we do. Information about our vision, mission, and values can be found at: <http://strategicvision.engin.umich.edu/>.

The University of Michigan has a storied legacy of commitment to Diversity, Equity and Inclusion (DEI). The Michigan Engineering component of the University’s comprehensive, five-year, DEI strategic plan—with updates on our programs and resources dedicated to ensuring a welcoming, fair, and inclusive environment—can be found at: <http://www.engin.umich.edu/college/about/diversity>.

The University of Michigan is a Non-Discriminatory/Affirmative Action Employer.

University of Michigan - Dearborn

Assistant Professors in Computer and Information Science

The Department of Computer and Information Science (CIS) at the University of Michigan - Dearborn invites applications for two tenure-track Assistant Professor positions. Applicants in the area of software engineering will be considered for the first position, while applicants in all areas of computer science, with preference given to areas related to emerging systems (including IoT, edge/

Professional Opportunities

cloud computing, visualization, VR/AR, etc.), will be considered for the second position. The expected starting date is September 1, 2020. Although candidates at the Assistant Professor rank are preferred, exceptional candidates may be considered for the rank of Associate Professor depending upon experience and qualifications. We offer competitive salaries and start-up packages.

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

Qualifications:

Qualified candidates must have earned a Ph.D. degree in computer science or a closely related discipline by September 1, 2020. Candidates will be expected to do scholarly and sponsored research, as well as teaching at both the undergraduate and graduate levels.

Applications:

Applicants should send a cover letter, curriculum vitae, statements of teaching and research interests, evidence of teaching performance (if any), and a list of three references through Interfolio at:

<http://apply.interfolio.com/68333> for the position in software engineering;
<http://apply.interfolio.com/68336> for the position in emerging systems or any other area of computer science.

Review of applications will begin immediately and continue until suitable candidates are appointed.

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

University of Minnesota-Twin Cities

Multiple tenure-track positions in Computer Science & Engineering

The Department of Computer Science & Engineering in the College of Science and Engineering at the University of Minnesota-Twin Cities is hiring to fill multiple tenure-track positions at the assistant professor level, although higher levels of appointments may be considered when commensurate with experience and accomplishments. Outstanding candidates with research and teaching interests in theoretical computer science, software engineering, human-computer interaction, Spatio-temporal databases/database systems, and robotics are particularly encouraged to apply. Nevertheless, exceptional candidates with expertise in any area of computer science & engineering will also be considered.

The robotics position is in support of a University-wide initiative (MnDRIVE) on robotics, sensors, and advanced manufacturing (z.umn.edu/csemndrive).

Topics of interest include machine learning; artificial intelligence; robotics, including design, manipulation, mobility, planning, algorithmic foundations, human-robot interaction; and embedded systems.

The Department of Computer Science & Engineering (<https://www.cs.umn.edu/>) is fully committed to a diverse faculty because excellence emerges when individuals with different backgrounds and experiences engage. We, therefore, welcome applications from individuals who will further expand that diversity; women and people from other underrepresented groups are especially encouraged to apply. Candidates must have an earned Ph.D. in Computer Science & Engineering or a closely related discipline at the time of appointment. Submit materials as described at z.umn.edu/CompSciFac333233.

For full consideration, please apply by November 1, 2019; however, review of applications will continue until the positions are filled.

The University of Minnesota provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. To learn more about equity and diversity at the University of Minnesota visit diversity.umn.edu.

Professional Opportunities

University of Nebraska at Omaha

Tenure-track Assistant Professor Position in Computer Science

The Department of Computer Science at the University of Nebraska Omaha (UNO) invites applications for a tenure-track Assistant Professor position beginning Fall 2020 with an emphasis in Artificial Intelligence and focus on human-centered AI systems. Areas of interest include knowledge representation and reasoning, cognitive systems, natural language processing, visual analytics, machine learning, and data analytics. Exceptional candidates in all areas of computer science are encouraged to apply.

Candidates must have completed an earned doctorate in computer science or related disciplines by the expected start date. The candidate should have a strong potential to conduct high-quality research, seek research grants, and be committed to excellence in teaching at both undergraduate and graduate levels.

The Department of Computer Science is recognized internationally for conducting research of high distinction and offers a vibrant research culture. The candidate also has opportunities to engage in interdisciplinary collaborations across the university.

To apply, please visit <http://unomaha.peopleadmin.com/postings/9687>. A full application, including cover letter, vita, teaching statement, research statement, and contact information for 3 references is required for full consideration.

Applications will be reviewed starting in November 1 and accepted until the position is filled.

The university and college have a strong commitment to achieving diversity among faculty and staff. We are particularly interested in receiving applications from members of underrepresented groups and strongly encourage women and persons of color to apply for this position.

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

If you have any additional questions, please contact: Dr. Yuliya Lierler (ylierler@unomaha.edu, 402-554-4911).

University of Nebraska at Omaha

Assistant/Associate Professor - Computer Science

The Department of Computer Science at the University of Nebraska Omaha (UNO) invites applications for a tenure-track Assistant Professor position beginning Fall 2020 with emphasis on robotics or multi-agent systems. Areas of interest include, but not limited to, robotics control systems, sensor fusion, robot vision, human-robot interactions, machine

learning for robotics, intelligent and distributed autonomous systems.

The Department of Computer Science at the University of Nebraska Omaha is hosted within the College of Information Science & Technology. The College houses two more academic units: Information Systems and Quantitative Analysis, and the School of Interdisciplinary Informatics. The College offers five undergraduate, seven master's, and two doctoral degree programs. The Department of Computer Science is recognized internationally for conducting research of high distinction and offers a vibrant research culture. The College has an active research grants portfolio of over \$10 million with funds from federal agencies (e.g., NSF, NIH, DHS, Department of Ed.), state government (e.g., NRI, NSF EPSCoR, NU Foundation), a number of local and national corporations and foundations.

To apply, please visit <http://unomaha.peopleadmin.com/postings/9640>. A full application, including cover letter, vita, teaching statement, research statement, and contact information for 3 references is required for full consideration. Applications will be accepted until the position is filled.

The university and college have a strong commitment to achieving diversity among faculty and staff. We are particularly interested in receiving applications from members of underrepresented groups and strongly encourage women and persons of color to apply for this position.

Professional Opportunities

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

Candidates must have completed an earned doctorate in computer science, robotics or related disciplines by the expected start date. The candidate should have a strong potential to conduct high-quality research, seek research grants, and be committed to excellence in teaching at both undergraduate and graduate levels. The candidate will also have opportunities to engage in interdisciplinary collaborations across the university.

University of Nevada, Las Vegas

Assistant/Associate Professor in Systems / Big Data and Machine Learning

The University of Nevada, Las Vegas invites applications for Assistant/Associate Professor in Systems [R0118463] and Assistant/Associate Professor in Big Data and Machine Learning [R0118464], Department of Computer Science UNLV Howard R. Hughes College of Engineering

ROLE of the POSITIONS

The Department of Computer Science at the University of Nevada, Las Vegas (UNLV) invites applications for full-time,

tenure-track Assistant Professors, or tenure-track/tenured Associate Professors in Systems and Big Data and Machine Learning commencing Fall 2020. A distinguished record in undergraduate and graduate computer science education and well-funded scholarly research will be required for appointment as an Associate Professor with tenure.

QUALIFICATIONS

These positions require a Ph.D. in Computer Science from a regionally accredited college or university at the time of appointment. The successful candidate should have a good understanding of theory as well as practice.

Systems: He/she must be able to teach a practical course in Operating Systems (3rd year) as well as Programming Languages (also 3rd year). In addition, preference will be given to candidates with experience in one or more of the following areas: Compiler and language construction/implementation, Formal verification (e.g., CSP), Distributed systems and parallel programming.

Big Data and Machine Learning: He/she must be able to teach courses in Big Data as well as Machine Learning. In addition, preference will be given to candidates with experience in one or more of the following areas: Distributed and Parallel Learning, Reinforcement Learning, MapReduce, and Deep Learning.

APPLICATION DETAILS

Submit a letter of interest, a detailed resume listing qualifications and experience, and the names, addresses, and telephone numbers

of at least three professional references who may be contacted. Applicants should fully describe their qualifications and experience, with specific reference to each of the minimum and preferred qualifications because this is the information on which the initial review of materials will be based.

Although these positions will remain open until filled, review of candidates' materials will begin on January 16, 2020 and best consideration will be gained for materials submitted prior to that date. Materials should be addressed to Dr. Matt Pedersen, Search Committee Chair, and are to be submitted online <https://www.unlv.edu/jobs> as we do not accept emailed materials. For assistance with the application process, please contact UNLV Human Resources at (702) 895-3504 or applicant.inquiry@unlv.edu.

EEO/AA/Vet/Disability Employer

University of New Hampshire

Two Tenure-Track Positions in Statistics / Data Science

The Department of Mathematics and Statistics invites applications for two tenure-track faculty positions in statistics/data science, one at the assistant professor, one at open rank, starting Fall, 2020.

For details and application submission see: <https://jobs.usnh.edu>. Follow links: "Statistics", "UNH Durham". Review of applications begins October 15, until positions are filled. Direct questions

Professional Opportunities

but no application materials to karen.
graham@unh.edu or at 603-862-3621.

UNH is an Equal Opportunity / Equal Access / Affirmative Action Institution. The University seeks excellence through diversity among its administrators, faculty, staff, and students. The university prohibits discrimination on the basis of race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, veteran status, or marital status. Application by members of all underrepresented groups is encouraged.

University of New Mexico

Faculty Positions in Electrical and Computer Engineering

The Department of Electrical and Computer Engineering in the School of Engineering at the University of New Mexico invites applicants to fill tenure-track faculty positions at the Assistant or Associate Professor level to begin in Fall 2020. Our focus areas, contingent upon funding, are:

Applied Electromagnetics with emphases in pulsed power, high power RF, high energy density plasmas, novel computational techniques for multiscale electromagnetics modeling, RF circuits/ systems, antennas, and wireless communications (physical layer).

Quantum computing algorithms and architecture, and quantum enhanced systems, sensing and networks. Security including smart grid security, securing critical infrastructure, binary host

and communication analysis, the current state of malware defenses, and industrial control system security.

Autonomy with emphasis on integration of learning and control, cyber-physical systems with learning-enabled components, formal assurances, and intelligent decision making.

The department has state-of-the-art facilities, and its proximity facilitates collaboration with Sandia National Laboratories, Los Alamos National Laboratory, and the Air Force Research Laboratory. The research expenditures of ECE and associated research centers are over \$30 million/year.

The minimum requirement is a doctorate by the time of appointment in electrical engineering, computer engineering, or closely related fields.

The preferred qualifications are a solid publication record, the potential for excellent teaching at the undergraduate and graduate levels, the potential to develop an externally funded research program, and a demonstrated commitment to diversity, equity, inclusion, and student success, as well as working with broadly diverse communities.

More information can be found at <http://ece.unm.edu/about/facultyjobs.html>.

All qualified applicants are encouraged to apply, including women, minorities and those from other underrepresented groups. Candidates should apply electronically at <https://hr.unm.edu/unmjobs>, requisition number req10644.

Please submit an application letter indicating your area of interest, statements of research and teaching, a commitment to diversity statement, CV, and the contact information of three references. Applicants who are appointed to a UNM continuing faculty position are required to provide official certification of successful completion of all degree requirements before their initial employment with UNM.

For full consideration, applications should be submitted before December 1st, 2019.

The University of New Mexico is a family-friendly and an equal employment opportunity/affirmative action employer, making decisions without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, veteran status, disability, or any other protected class. We are committed to hiring and retaining a diverse workforce.

The University of New Mexico is a recipient of an ADVANCE Institutional Transformation grant from NSF to promote and advance women and minority faculty in STEM fields, and SOE is partnering with the ADVANCE at UNM program to help recruit and retain an excellent and diverse faculty.

Albuquerque is a beautiful and historic city with terrific weather, rich cultural life, and lots of outdoor activities. Cradled in the Rio Grande Valley beneath the Sandia Mountains, Albuquerque is by far the largest city in the state, acting as the media, educational, and economic center of New Mexico. For more information go to <https://advance.unm.edu/why-abq/>

Professional Opportunities

University of New Mexico

UNM CS Assistant Professor

The Department of Computer Science in the School of Engineering at the University of New Mexico invites applications for multiple full-time tenure-track positions at the level of Assistant Professor. We are particularly interested in candidates with expertise in (1) cybersecurity, (2) machine learning and data science, (3) quantum information science, (4) high-performance computing, or (5) biological computing, though strong candidates in all areas of computing will be considered. UNM is a Carnegie Very High Research Activity Institution and a federally designated Hispanic Serving Institution located in Albuquerque, New Mexico.

UNM CS is an interdisciplinary, family-friendly department. Our research and instruction pushes the boundaries of core CS, emerging CS areas, and topics at the intersection of CS and other fields. We also have strong ties to nearby Sandia and Los Alamos National Laboratories. We seek applicants demonstrating excellence in any area of CS or related disciplines, potentially including a joint appointment at Los Alamos National Laboratory.

Applicants must have completed a doctorate in CS or a related area by August 15, 2020. In accordance with UNM policies, applicants will additionally be evaluated on the following preferred qualifications: (1) demonstrated ability to establish a nationally visible research program; (2) commitment to

undergraduate and graduate education; and (3) demonstrated commitment to diversity, equity, inclusion, student success, and working broadly with diverse communities.

Each application must include a cover letter summarizing the applicant's experience, curriculum vitae, research statement, teaching statement, and four letters of reference. Candidates interested in consideration for a joint appointment with a DOE National Laboratory should indicate so on their cover letter. Please have reference letters sent to unmcsfacultysearch@cs.unm.edu before the application deadline.

Applicants may also include in their application an optional statement, no more than one page in length, on their experience and perspectives related to item (3) above. Alternatively, if appropriate, applicants may address this topic in their cover letter or in their teaching or research statements.

To apply and see the complete advertisement, visit <https://unm.csod.com/ats/careersite/JobDetails.aspx?id=10519&site=14>, Req10519. For best consideration, apply by December 1, 2019. This position will remain open until filled. Inquiries should be emailed to the Chair of the CS Department, Darko Stefanovic (darko@cs.unm.edu).

The University of New Mexico is committed to hiring and retaining a diverse workforce. We are an Equal Opportunity Employer, making decisions without regard to race, color, religion, sex, sexual orientation,

gender identity, national origin, age, veteran status, disability, or any other protected class.

University Of New Orleans

Assistant Professor - Computer Science

The Department of Computer Science at the University of New Orleans (UNO) invites applications for one tenure-track Assistant Professor position starting in Fall 2020 (a Spring 2020 start date is possible). We are primarily looking for applicants whose expertise would extend and complement existing strengths within the department. Candidates with expertise in environmental informatics, machine learning and AI, big data, gaming and cybersecurity are especially encouraged to apply. Exceptional candidates in other related areas will also be considered.

A Ph.D. in computer science or a closely related field is required for appointment; successful applicants must possess a record of research excellence, and demonstrate strong teaching commitments to graduate and undergraduate courses. Applications will be evaluated on a rolling basis, starting October 1st, 2019 until the position is filled.

UNO is a Carnegie Higher Research institution located in the vibrant and fast-growing city of New Orleans. Over the last decade, the metro area has experienced a strong IT growth, and computer science enrollment has doubled over five years. The Department hosts two Board-certified research centers and has a strong record of federal, state, and

Professional Opportunities

private research funding.

Applicants should submit a cover letter, teaching & research statements, resume, transcripts and three recommendation letters via: <http://www.uno.edu/careers/23002>.

UNO is an Affirmative Action/Equal Employment Opportunity employer. Women, ethnic minorities, veterans and persons with disabilities are encouraged to apply.

University of North Carolina at Charlotte

Assistant Professor, Department of Bioinformatics and Genomics

The Department of Bioinformatics and Genomics, within the College of Computing and Informatics at the University of North Carolina at Charlotte, invites applications for a tenure-track Assistant Professor. Applicants for this position must hold an earned Ph.D. in bioinformatics or a related discipline. The successful candidate will demonstrate excellence in research via a strong publication record, a record of or potential for extramural funding, and a commitment to mentoring and teaching at the graduate and undergraduate levels. The successful candidate is expected to develop and maintain an independent externally-funded research program. Applications that demonstrate experience with or an interest in promoting diversity through their research and teaching are especially encouraged.

The Bioinformatics and Genomics

Department is a research-intensive unit with both a Ph.D. program in Bioinformatics and Computational Biology and a M.S. in Bioinformatics. Faculty in this Department support an undergraduate Bioinformatics Minor and Bioinformatics Concentrations within the Bachelor of Science and Bachelor of Arts degrees in Computer Science. The Department has excellent BSL-2 and BSL-3 wet lab facilities, several high-performance computer clusters, and has dedicated space for postdoctoral fellows, graduate students, and staff. Visit <https://bioinformatics.uncc.edu> for more information.

Applications must be made electronically at <https://jobs.uncc.edu> (position #000043) and must include a cover letter, CV, contact information for at least three references, a statement of research interests (max 5 pages), a statement of teaching philosophy (max 2 pages), and PDFs of three publications. As an EOE/AA employer and an ADVANCE institution that strives to create an academic climate in which the dignity of all individuals is respected and maintained, the University of North Carolina at Charlotte encourages applications from all underrepresented groups.

For additional information about the department, please visit our website at <https://bioinformatics.uncc.edu>. For questions about the position or the application, please contact Dr. Daniel Janies djanies@uncc.edu

University of North Carolina, Chapel Hill

Faculty Positions in Computational Medicine

The Computational Medicine Program (<http://www.med.unc.edu/compmed/>) and the College of Arts and Sciences at the University of North Carolina at Chapel Hill (UNC-CH) invite applicants for two tenure-track faculty positions. Appointments are expected to be made at the level of assistant professor, but exceptionally well-qualified candidates of higher rank will also be considered. The Computational Medicine Program is a newly established research initiative that seeks to apply modern computational approaches, including mathematical and statistical modeling, machine learning and network analysis, to address problems relevant to human health and disease. While the specific area(s) of study are flexible, candidates are expected to have interest and experience in applying methods from statistics, applied mathematics, and/or computer science to investigate mechanisms of human diseases, with the goal of impacting diagnosis and treatment. Each recruit will maintain a position and research space within the Computational Medicine Program at the UNC School of Medicine and also hold a full-time faculty appointment within the College of Arts and Sciences in one of the following departments: Computer Science (<https://cs.unc.edu/>), Statistics and Operations Research (<https://stat-or.unc.edu/>), or Mathematics (<https://math.unc.edu/>). The successful



Professional Opportunities



The UNIVERSITY of OKLAHOMA
Gallogly College of Engineering
School of Computer Science

Tenured, Tenure-Track Faculty Positions in Cybersecurity/AI/ML/HPC

The School of Computer Science in the Gallogly College of Engineering at the University of Oklahoma (OU) is seeking applications for four tenured/tenure-track faculty positions with demonstrated research skills in one or more areas of artificial intelligence/machine learning (AI/ML), cybersecurity, and high-performance computing (HPC). We have the following open positions:

1. Cybersecurity with special interest in embedded systems software at the level of associate or full professor, located at the University's Schusterman Center in Tulsa. This position is a leadership position and will have an additional role as an Associate Director (<https://apply.interfolio.com/69232>).
2. HPC with an emphasis in meteorological applications, e.g., numerical modeling of weather and climate, at the rank of associate or full professor, located at the University's Norman Campus. This is a joint position with the School of Meteorology (SoM) (<https://apply.interfolio.com/69230>).
3. Cybersecurity with special interest in embedded systems software at the level of assistant professor, located at the University's Norman Campus (<https://apply.interfolio.com/69228>).
4. AI/ML at the rank of assistant professor, located at the University's Norman Campus (<https://apply.interfolio.com/69228>).

The School of Computer Science has strong collaborative research relationships within the Gallogly College of Engineering and with research groups in the College of Atmospheric and Geographic Sciences, the Mewbourne College of Earth and Energy, and the College of Arts and Sciences. The candidate for the HPC position, in particular, is expected to work extensively along-side faculty in the School of Meteorology (SoM), with opportunities for collaborative research for the AI/ML candidate as well. In addition, we are actively seeking individuals in areas of AI/ML and HPC who can collaborate with researchers in OU's Stephenson Cancer Institute, OU's Harold Hamm Diabetes Center, and other programs at OU's Health Sciences Center. The state of Oklahoma has several aerospace and defense companies employing thousands of engineers. We will be seeking individuals for the embedded systems software position who can collaborate with these industry groups.

All candidates must hold a Ph.D. degree in Computer Science or related fields, be able to teach courses at all levels, and advise M.S. and Ph.D. students. More senior positions require concomitant levels of experience beyond the doctorate. The School of Computer Science offers B.S., M.S., and Ph.D. degrees in Computer Science, and, in conjunction with the School of Industrial and Systems Engineering, M.S. degrees in Data Science and Analytics. More information regarding our programs and their strengths can be found at <https://cs.ou.edu>.

The Gallogly College of Engineering holds strong the values of diversity, equity, and inclusion. We seek candidates who contribute to fostering an inclusive culture in all aspects of faculty responsibility, including within the classroom, the academic community, and their professional commitments. Candidates should include in their cover letter a discussion of how they have or intend to promote the values of diversity, equity, and inclusion.

The University of Oklahoma, in compliance with all applicable federal and state laws and regulations, does not discriminate on the basis of race, color, national origin, sex, sexual orientation, genetic information, gender identity, gender expression, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices, or procedures. The University of Oklahoma, recognizing its obligation to guarantee equal opportunity to all persons in all segments of University life, reaffirms its commitment to the continuation and expansion of positive programs that reinforce and strengthen its affirmative action policies. This commitment stems not only from compliance with federal and state equal opportunity laws but from a desire to ensure social justice and promote campus diversity. Our commitment to the concept of affirmative action requires sincere and cooperative efforts throughout all levels of our employment structure. We will continue to strive to reach the goals of fair and equal employment opportunities for all.

The application package should include 1) a single-page cover letter explaining your interest in one of these positions and the discussion of your values of diversity, equity, and inclusion, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research contributions and scholarship, and 5) a list of at least three references. Application packages should be submitted via soonerway.ou.edu. Inquiries about the position can be addressed to Professor Sridhar Radhakrishnan, chair of the search committee, at Sridhar@ou.edu. Applications submitted before December 16, 2019, will be ensured full consideration.

Professional Opportunities

candidate will be expected to direct an independent research program supported by extramural funding and to participate in team science projects initiated through the Computational Medicine Program. The successful candidate will also participate in student mentoring and teaching at the undergraduate and graduate level through their home department. An excellent start-up package and access to departmental and institutional facilities will be provided, including access to the exceptional computational resources (<https://its.unc.edu/research-computing/>) at UNC-CH.

Apply Here: <https://unc.peopleadmin.com/postings/I67587>

University of North Carolina Wilmington

Assistant Professor

The Department of Computer Science at the University of North Carolina Wilmington invites applicants to apply for two tenure-track Assistant Professor positions with a start date of August 2020. For the first position, we are looking for applicants who have an emphasis in security, cyber-physical systems, artificial intelligence, and machine learning. For the second position, we are looking for an emphasis in Data Science; additional consideration will be given to research focused on data architecture, and familiarity with Spark, Hadoop, Hive, and Apache Pig. A Ph.D. in Computer Science or closely related area are required for these positions.

Review of applications will begin on January 2, 2020, and will continue until the positions have been filled. Priority consideration will be given to applications received by the Priority Date; however, applications will be accepted until the position is filled.

Applications must be submitted through the online application system to be considered. Position details and full applicant instructions can be found <https://jobs.uncw.edu/postings/I5874> and <https://jobs.uncw.edu/postings/I5966>. Each applicant is required to submit a cover letter, CV, three professional references, unofficial graduate transcripts, statement of teaching philosophy, and summary of research plans.

Should you have any questions for the security/cyber-physical systems/AI/machine learning position, please reach out to Dr. Ron Vetter (vetterr@uncw.edu), and if you have any questions for the Data Science position, please reach out to Dr. Sridhar Narayan (narayans@uncw.edu).

UNCW is an equal employment / affirmative action employer.

University of Notre Dame

Faculty Position in Computational Social Science

The Department of Computer Science and Engineering and the College of Arts and Letters at the University of Notre Dame invites applications for an open-rank faculty position in Computational Social

Science. Candidates should possess an earned Ph.D. in computer science or in a social science field that makes extensive use of computational methods in research. Home departments include Computer Science and Engineering, Sociology, Political Science, or other units in College of Arts and Letters with the opportunity for cross-appointments with other colleges and departments. Applications at the ranks of Assistant Professor, Associate Professor, and Professor will be considered; exceptional candidates may be considered for appointment to a chaired professorship.

Notre Dame is supporting interdisciplinary efforts that integrate computer and data science with a variety of scholarly disciplines, including the social sciences, humanities, and creative arts. University-wide undergraduate minors in Computers and Digital Technologies and Data Science provide integrative opportunities across disciplines. This hire is intended to grow and, where appropriate, provide leadership and strategic direction to interdisciplinary research as well as foster growth in undergraduate opportunities.

Applicants must submit a cover letter, CV, research statement, teaching statement, and contact information for three professional references to <http://apply.interfolio.com/65475>. At later stages of the process, we may request a writing sample. Review of applications will begin on October 15, 2019, and remain open until the position is filled. Questions may be directed to Professor Tim Weninger (tweninger@nd.edu).

Professional Opportunities

The University is an Equal Opportunity and Affirmative Action employer; we strongly encourage applications from women, minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

University of Notre Dame

Quantum Computing Faculty Position

The University of Notre Dame is expanding the scope of its quantum science and technology community to include quantum computing, and are looking for new faculty with appropriate expertise. These new faculty members and their students are expected to pioneer the development of novel quantum computing applications in chemistry, physics, and engineering, to create tools for increasing the efficiency of quantum computers, and to develop quantum algorithms and techniques to address new application areas such as data analytics. In addition, with the College of Science and the University's Center for Research Computing, the College of Engineering has established a partnership with the IBM Q Network, and is seeking new faculty who wish to collaborate in this quantum computing effort.

The Department of Computer Science and Engineering invites applications for tenure-track faculty positions at all ranks with expertise in quantum computing paradigms and applications. We seek to attract, develop, and retain excellent faculty members with strong records and future promise. The Department is interested in candidates who will

contribute to the diversity and excellence of the University's academic community through their research, teaching, and service, and especially take a leadership role in the University's initiatives in quantum computing.

The Department offers a Ph.D. degree and undergraduate Computer Science and Computer Engineering degrees. Faculty are expected to excel in classroom teaching and to lead highly-visible research projects that attract substantial external funding. More information about the department can be found at: <http://cse.nd.edu/>

Applicants must submit a CV, a teaching statement, a research statement, and contact information for three professional references at <https://apply.interfolio.com/65332>.

The University is an Equal Opportunity and Affirmative Action employer; we strongly encourage applications from women, minorities, veterans, individuals with a disability and those candidates attracted to a university with a Catholic identity.

Review of applications will begin on December 15, 2019, and will continue until the position is filled.

University of Pennsylvania

CIS Lecturer Positions 2020

The University of Pennsylvania's Department of Computer & Information Science is pleased to welcome applications for multiple teaching positions as a Lecturer or Senior Lecturer.

It is a very exciting time to be engaged in computer science education at Penn, as we are experiencing incredible growth and interest in CS courses at all levels, are developing new on-campus and online learning programs, and are rapidly growing the size of our faculty.

We are seeking dedicated, accomplished, full-time instructors to teach introductory-sequence courses, undergraduate electives, and Masters-level courses in data science, machine learning, artificial intelligence, software systems, cybersecurity, and other areas, starting in July 2020.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class status in the administration of its admissions, financial aid, educational or athletic programs, or other University-administered programs or in its employment practices. Questions or complaints regarding this policy should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, Sansom Place East, 3600 Chestnut Street, Suite 228, Philadelphia, PA 19104-6106; or (215) 898-6993 (Voice) or (215) 898-7803 (TDD).

[*Learn more and apply*](#)

Professional Opportunities

University of Pennsylvania

CIS Practice Assistant Professor 2020

The University of Pennsylvania's Department of Computer & Information Science is pleased to welcome applications for teaching faculty under the Practice Professor track. It is a very exciting time to be engaged in computer science education at Penn, as we are experiencing incredible growth and interest in CS courses at all levels, are developing new on-campus and online learning programs, and are rapidly growing the size of our faculty.

We are seeking dedicated, accomplished, full-time faculty to teach introductory-sequence courses, undergraduate electives, and Masters-level courses in data science, machine learning, artificial intelligence, software systems, cybersecurity, and other areas, starting in July 2020.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class status in the administration of its admissions, financial aid, educational or athletic programs, or other University-administered programs or in its employment practices. Questions or complaints regarding this policy should

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[Learn more and apply](#)

University of Pennsylvania

CIS Tenure or Tenure-track Positions 2020

The School of Engineering and Applied Science at the University of Pennsylvania is growing its faculty by 33% over a five year period. As part of this initiative, the Department of Computer and Information Science is engaged in an aggressive, multi-year hiring effort for several tenure-track positions at the Assistant, Associate, and Full Professor levels, with an emphasis on junior appointments.

We seek individuals with stellar research achievement and potential, who will excel in teaching undergraduate and graduate courses and take a position of international leadership in defining their field of study. Leadership in cross-disciplinary collaborations is of particular interest. Successful applicants will find Penn to be a stimulating environment conducive to professional growth. This position will start July 1, 2020.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, color, sex, sexual

orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class status in the administration of its admissions, financial aid, educational or athletic programs, or other University-administered programs or in its employment practices. Questions or complaints regarding this policy should be directed to the Executive Director of the Office of Affirmative Action and Equal Opportunity Programs, Sansom Place East, 3600 Chestnut Street, Suite 228, Philadelphia, PA 19104-6106; or (215) 898-6993 (Voice) or (215) 898-7803 (TDD).

[Learn more and apply](#)

University of Pittsburgh

Assistant Professor, Computational Sociolinguistics

Computational Sociolinguistics: The University of Pittsburgh Department of Linguistics invites applications for the position of Assistant Professor (tenure-track), specializing in computational sociolinguistics, beginning September 1, 2020.

Please visit: <http://bit.ly/2nT0hxr>.

University of Richmond

Department of Mathematics and Computer Science

Assistant Professor of Computer Science

The University of Richmond invites applications for a tenure-track Assistant

Professional Opportunities

Professor position in Computer Science to begin August 2020.

For additional information and to apply, please visit: <https://richmond.csod.com/ats/careersite/JobDetails.aspx?site=I&id=1871>

University of Rhode Island

Assistant Professor of Computer Science

The University of Rhode Island invites applications for a tenure-track Assistant Professor in the Department of Computer Science and Statistics. We seek candidates who can contribute to both teaching and research in computer science. Of particular interest are candidates with expertise in the broad area of computer systems and its application across multiple disciplines. The University seeks to attract an active, culturally and academically diverse faculty of the highest caliber, skilled in the scholarship of teaching, discovery, application, and integration of knowledge.

Required Documents: Cover Letter, Curriculum Vitae, Statement of Teaching Philosophy, Statement of Research, Statement on Diversity.

Full Description: For more information visit: <https://web.uri.edu/cs/CS-faculty-position/>

Deadline: For best consideration, applications should be submitted by December 1, 2019.

Apply: Please submit directly online at: <https://jobs.uri.edu/postings/6530>

University of Rochester

Tenure-Track Faculty Positions

The Computer Science Department at the University of Rochester (<http://www.cs.rochester.edu>) seeks applicants for tenure-track faculty positions. Candidates in all areas of computer science and at any level of seniority are encouraged to apply. We have a distinguished history of research in artificial intelligence, human-computer interaction, systems, and theory. We are continually on the lookout for unique hiring opportunities and synergies, including but not limited to growing and complementing our strengths in theory, security, natural language processing, machine learning, and advanced AI (e.g., multimodal, explainable, edge, health).

Candidates must have (or be about to receive) a doctorate in computer science or a related discipline. Applications should be submitted online (at <https://www.rochester.edu/faculty-recruiting/login>) no later than January 1, 2020, for full consideration; submissions beyond this date risk being overlooked due to limited interview slots.

We nurture a highly collaborative and interdisciplinary culture, with exceptionally strong external funding and with active ties to numerous allied departments, including brain and cognitive science, electrical and computer engineering, linguistics, optics, biomedical engineering, the laboratory for laser energetics, the school of education, and several departments in the medical center. Recent faculty hires have received a host of national honors, including the

NSF CAREER and CRII awards, the MIT TR35 award, honorable mentions in ACM dissertation competitions, multiple Google research awards, and best paper designations at top-tier conferences.

The department is deeply committed to building a more diverse and representative faculty, and strongly encourages applications from groups underrepresented in higher education. We have a vibrant Women in Computing community, and are a charter member of the ABI/HMC BRAID Initiative. With funding from major industrial sponsors, BRAID works to foster diversity and inclusivity in the undergraduate program and to rigorously evaluate factors that contribute to change. We are actively working to improve the environment for all underrepresented groups.

The University of Rochester, an Equal Opportunity Employer, has a strong commitment to diversity and actively encourages applications from candidates from groups underrepresented in higher education.

EOE Minorities/Females/Protected Veterans/Disabled

University of Southern California

Professor of Data Sciences and Operations - Statistics (Open Rank)

The Department of Data Sciences and Operations within the USC Marshall School of Business invites applications for two open-rank tenure track positions in

Professional Opportunities

Statistics starting in Fall 2020. Applicants must display strong research potential, as well as excellent teaching skills to prepare diverse, global leaders. Candidates must have a Ph.D. in statistics or a closely related field or be assured of its completion by Fall 2020. We are interested in applicants from all areas of statistics. Applicants with interdisciplinary interests in statistics and machine learning are encouraged to apply.

The successful applicant will join a vibrant statistics group of 14 faculty. Remuneration is very competitive. In addition, generous research support for technology and travel is provided for all faculty. Teaching loads are generally low with many faculty completing their teaching assignments in one semester.

Interested candidates should apply online at <https://facultypositions.usc.edu/FAS/application/position?postingId=REQ20081269>

Please submit your cover letter, curriculum vitae, copies of representative research papers, research statement, three references, and any teaching evaluations. Within your materials, please share how you would contribute to, and promote Marshall's commitment to diversity, equity, and inclusion in teaching, curricula, and research. Our search will continue until the position is filled. For full consideration please ensure that all application materials are uploaded by Nov 24, 2019. Information about the Data Sciences and Operations department, its faculty and the Marshall school can be obtained at: <http://www.marshall.usc.edu/dso>.

University of Southern California

*Viterbi School of Engineering –
Department of Computer Science
Multiple Tenure-Track Faculty Positions
Los Angeles, CA*

The Department of Computer Science (<http://cs.usc.edu>) at the USC Viterbi School of Engineering (<https://viterbischool.usc.edu/>) is in a period of significant and sustained faculty growth. We have multiple openings for tenure-track positions in all areas and at all levels of seniority. The USC Viterbi School is committed to increasing the diversity of its faculty and welcomes applications from women, underrepresented groups, veterans, and individuals with disabilities. We are interested in exceptional candidates at all levels.

We expect all candidates to have a strong commitment to research, doctoral student mentoring, and teaching at the undergraduate and graduate levels. All applicants must have earned a doctorate in Computer Science or a closely related field by the date of appointment.

Applicants should submit their applications online at USC Careers: <https://usccareers.usc.edu/job/los-angeles/open-rank-professor-of-computer-science/1209/12581644>

Applications must include a cover letter indicating the applicant's area of specialization, a detailed curriculum vitae, a statement on current and future research directions, a teaching statement, and names of at least three professional references. Applicants are encouraged to

include a succinct statement on fostering an environment of diversity and inclusion. Applications should be submitted by December 2, 2019. Applications received after this deadline may not be considered.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 188 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed \$200 million annually. With 39 tenure-track, 31 research faculty, and 19 teaching faculty, the USC Department of Computer Science is one of the nation's leading centers of research and education in the field.

USC is an equal opportunity, affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability, or any other characteristic protected by law or USC policy. USC will consider for employment all qualified applicants with criminal histories in a manner consistent with the requirements of the Los Angeles Fair Chance Initiative for Hiring ordinance.

University of Southern California

*Viterbi School of Engineering –
Department of Computer Science
Teaching Faculty Position
Los Angeles, CA*

The Department of Computer Science (<http://cs.usc.edu>) at the USC Viterbi School of Engineering (<https://viterbischool.usc.edu/>) seeks a candidate for a teaching position (Lecturer) to teach undergraduate and graduate courses. This is a full time, benefits eligible faculty position on the non-tenure track. The USC Viterbi School is committed to increasing the diversity of its faculty and welcomes applications from women, persons from underrepresented minority groups, veterans, and individuals with disabilities. In addition to its commitment to faculty diversity, the USC Viterbi School of Engineering is committed to enabling the success of dual career families and fosters a family-friendly environment.

Competitive candidates will have the training and experience necessary to teach effectively in a highly-ranked Computer Science department that advances undergraduate students through an accredited BS degree program and graduate students enrolled in MS and PhD programs. While we are interested in candidates with backgrounds in all areas of Computer Science, we are particularly interested in candidates with expertise in Algorithms, Artificial Intelligence, Machine Learning, Databases, Computer Games, Programming Languages, Networks/Systems, Software Engineering,

Visualization, User Interfaces, and Data Science. Relevant industry experience is valued for candidates interested in teaching games-related courses.

This is primarily a teaching position; all candidates are expected to have a strong commitment to teaching. Lecturers spend the majority of time on teaching and teaching-related duties, with reduced obligation for research and University service. Qualified candidates should have a doctoral degree in Computer Science (or equivalent) by the date of appointment. Salary and benefits are competitive. We are interested in exceptional candidates at all levels. While we seek applications at the level of Lecturer, in exceptional cases, applicants with greater teaching experience may also be considered for a commensurate position (e.g., Senior Lecturer).

Applicants should submit their applications at USC Careers: <https://usccareers.usc.edu/job/los-angeles/open-rank-professor-of-computer-science-practice/1209/12567313>

Applications must include a cover letter, a detailed curriculum vitae, a teaching statement, names of at least three professional references, at least two of whom must be familiar with, and able to comment on, the applicant's teaching experience and a succinct statement on fostering an environment of diversity and inclusion. Applicants may also include a research statement. Applications should be submitted by December 2, 2019. Applications received after this deadline may not be considered.

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 188 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed \$200 million annually. With 39 tenure-track, 31 research faculty, and 19 teaching faculty, the USC Department of Computer Science is one of the nation's leading centers of research and education in the field.

USC is an equal opportunity, affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status, disability, or any other characteristic protected by law or USC policy. USC will consider for employment all qualified applicants with criminal histories in a manner consistent with the requirements of the Los Angeles Fair Chance Initiative for Hiring ordinance.

University of Sydney

1812/0919C - Multiple faculty positions in the School of Computer Science

- Join a growing Faculty and be part of a University that places amongst the world's best research and teaching institutions.
- Located in the heart of Sydney's bustling inner west quarter, close to beaches, parks, public transport and shopping districts
- Seeking outstanding academics to provide leadership and help create a world-class, internationally recognised Faculty for research and education excellence

About the opportunity

The School of Computer Science at the University of Sydney is searching for faculty members at all ranks and in all areas of Computer Science with a preference for candidates in the following areas –

- data science,
- graphics/VR/AR,
- machine learning,
- cybersecurity,
- cloud computing.

The School seeks to increase the diversity of its faculty and encourages women to apply.

About you

Successful candidates are expected to develop an independent research program, engage in collaborations within and outside the University, participate in both

undergraduate and graduate teaching and curriculum development, and contribute to the working of the School and the University.

Candidates should submit a CV, a research statement and a teaching statement, and the names and email addresses of three references (for lecturer and senior lecturer positions) and six references (for the associate and full professor positions).

Applications will be reviewed starting on November 15.

Term and Remuneration

Successful candidates will be offered a continuing (permanent) appointment, subject to the completion of a satisfactory probation period for new appointees. A competitive remuneration package will be negotiated depending on the level of appointment.

About us

The University of Sydney is Australia's first university and has an outstanding global reputation for academic and research excellence.

The School maintains a strong tradition of research-led teaching matched by a commitment to achieving the highest level of excellence in research and innovation. It encourages cross-disciplinary initiatives and provides one of the world's best research training programs.

To learn more about the School of Computer Science click [here](#)

For more information on the Head of School, Professor Athman Bouguettaya, click [here](#)

How to apply

All applications must be submitted via the University of Sydney careers website. Visit sydney.edu.au/recruitment and search by the reference number 1812/0919C to apply.

Closing date: 11:30 pm, 01 December 2019 (Sydney Time)

The University of Sydney is committed to diversity and social inclusion. Applications from people of culturally and linguistically diverse backgrounds; equity target groups including women, people with disabilities, people who identify as LGBTIQ; and people of Aboriginal and Torres Strait Islander descent, are encouraged.

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The University reserves the right not to proceed with any appointment.

University of Tampa

Department Chair of Computer Science

The University of Tampa invites applications for the position of Department Chair of Computer Science. This is a highly unusual opportunity to create a new department and baccalaureate program in Computer Science and the new facilities that it will utilize for teaching and scholarship. We are seeking a chair who sees herself/himself as a builder. The chair will lead the department in creating and gaining approval of a new ABET-accredited curriculum, hire new faculty, help to plan the construction of new facilities and create an innovative vision for growth. The position is available



Faculty Positions in Computer Science

The Department of Computer Science (CS) at The University of Texas at San Antonio (UTSA) invites applications for one tenure-track Assistant Professor and two open-rank positions (Assistant, Associate or Full Professor) starting in Fall 2020 in the general areas of algorithms/theory, computer systems/big data, and data science/artificial intelligence. Internationally recognized outstanding candidates in other areas are also encouraged to apply. The upcoming cluster hirings in augmented reality / virtual reality and in quantum communication and computing are also seeking CS faculty with strong collaborative potential with other disciplines. We seek faculty members who embrace excellence and diversity with a strong commitment to teaching, mentoring, and collaboration. UTSA especially seeks to grow its faculty ranks of women and underrepresented minorities. The salary and start-up packages for the positions are highly competitive. For enquiries and nominations, please contact the department chair at sushil.prasad@utsa.edu.

Review of applications will begin on Oct 21, 2019 and continue until the positions are filled. See <https://apptkr.com/1637396> for more information on the Department and application instructions.

The University of Texas at San Antonio is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.

Department of Computer Science
RE: Faculty Search
The University of Texas at San Antonio
One UTSA Circle
San Antonio, TX 78249-0667
Phone: 210-458-4436

now and the person selected may begin on or before July 2020, with the planned inaugural class enrolled in August 2021.

Applicants must have a doctoral degree in Computer Science or a closely related field and have an exemplary record of

achievement sufficient for a tenured appointment; rank is open. Previous academic leadership as a department chair is desirable, but not required. The position requires excellent communication skills, experience in establishing and nurturing industry partnerships, and

a strong commitment to supporting a diverse student enrollment. The Chair must also have a demonstrated commitment to supporting active learning and real-world problem-solving.

The University of Tampa is a medium-sized, comprehensive, residentially-based private institution of almost 10,000 students. The University is ideally situated on a beautiful 110-acre campus next to the Hillsborough River, adjacent to Tampa's dynamic central business district, which is a growing, vibrant, diverse metropolitan area. UT reflects this vibrancy with 24 consecutive years of enrollment growth. UT boasts some 300 student organizations, a multicultural student body from 50 states and 132 countries, and "Top Tier" ranking in U.S. News & World Report.

Review of applications will begin on October 28, 2019, and remain open until the position is filled.

For further details and to apply, please visit our website at www.ut.edu/jobs

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

University of Tennessee

*Assistant Professors,
Information Sciences*

The School of Information Sciences at the University of Tennessee seeks two tenure-track **Assistant Professors** to start fall 2020.

Professional Opportunities

Focus areas: data analytics, data visualization, artificial intelligence, information retrieval, recommender systems, bias and fairness in computational systems, computational social science, or human-computer interaction. Experience in professional settings desirable. We welcome candidates with demonstrated success working with diverse populations.

Required Qualifications: Earned doctorate by time of appointment in information sciences, computer science, or related area. Evidence of ability to develop a record of research productivity and succeed in teaching courses. Ability to work collaboratively with faculty, students and staff from a wide range of disciplines, cultures and academic backgrounds.

Full details at <https://sis.utk.edu/employment>. Questions to sisfacultysearch@utk.edu

University of Tennessee at Chattanooga

Department Head, Computer Science and Engineering

The Department of Computer Science and Engineering at the University of Tennessee at Chattanooga College of Engineering and Computer Science invites applications for the Department Head position with the successful applicant starting August 1, 2020.

For consideration, applicants should submit the following information using the

online application system.

https://ut.taleo.net/careersection/ut_system/jobdetail.ftl?job=1900000ICW&lang=en

- Cover letter
- CV
- Teaching statement
- Research statement
- Administrative Philosophy statement

Review of applications will begin on Dec. 1, 2019 and continue until the position is filled.

The University of Tennessee Chattanooga is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution. All qualified applicants will receive equal consideration for employment and will not be discriminated against on the basis of race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or protected veteran status.

The University of Tennessee, Knoxville

Clinical Assistant Professor, Information Sciences (BSIS-focused)

The School of Information Sciences at the University of Tennessee seeks one non-tenure-track **Clinical Assistant Professor** to start spring 2020.

A successful candidate will be expected to teach and advise students in our new bachelor's degree program in information sciences, serve as director of

undergraduate studies, and manage the undergraduate practicum program. School, college, university, and professional service are also expected. Candidates are expected to have teaching interests in areas related to the BSIS program which focuses on user experience design; data, information management, and analytics; and information technology (see <https://sis.utk.edu/undergraduate-programs/>). We especially welcome candidates with demonstrated success in working with diverse populations.

Required Qualifications: Earned doctorate by time of appointment in information sciences, computer science, or related area. Evidence of ability to develop a record of research productivity and succeed in teaching courses. Ability to work collaboratively with faculty, students and staff from a wide range of disciplines, cultures and academic backgrounds.

Full details at <https://sis.utk.edu/employment>. Questions to sisfacultysearch@utk.edu

University of Tennessee

Assistant Professors, Information Sciences

The School of Information Sciences at the University of Tennessee seeks two tenure-track **Assistant Professors** to start fall 2020.

Focus areas: data analytics, data visualization, artificial intelligence, information retrieval, recommender systems, bias and fairness in computational systems, computational

Professional Opportunities

social science, or human-computer interaction. Experience in professional settings desirable. We welcome candidates with demonstrated success working with diverse populations.

Required Qualifications: Earned doctorate by time of appointment in information sciences, computer science, or related area. Evidence of ability to develop a record of research productivity and succeed in teaching courses. Ability to work collaboratively with faculty, students and staff from a wide range of disciplines, cultures and academic backgrounds.

Full details at <https://sis.utk.edu/employment>. Questions to sisfacultysearch@utk.edu

University of Texas

Assistant Professor (Tenure-Track) in Computer Science

The Department of Computer Science of the University of Texas at Austin invites applications for tenure-track Assistant Professor positions. Outstanding candidates in all areas of Computer Science will be considered.

All tenure-track positions require a Ph.D. or equivalent degree in computer science or a related area at the time of employment. Successful candidates are expected to pursue an active research program, to teach both graduate and undergraduate courses, and to supervise graduate students in research. The department is committed to building a diverse faculty and we are interested

in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service.

The department is ranked among the top ten computer science departments in the country and is a core unit of Texas Computing. <https://computing.utexas.edu>. It has 50 tenured and tenure-track faculty members across all areas of computer science. Many of these faculty participate in interdisciplinary programs and centers in the University, including the Texas Advanced Computing Center (TACC), the Oden Institute for Computational Engineering and Science, and the Texas Robotics Consortium.

Austin, the capital of Texas, is a center for high-technology industry, including companies such as Amazon, Google, Dell, Inc., IBM Corp., Advanced Micro Devices (AMD), Apple Computer, Inc., Applied Materials, AT&T, National Instruments, Samsung and 3M Corporation. For more information about the department, please visit <http://www.cs.utexas.edu>.

All faculty positions require a cover letter, current curriculum vita, research statement, teaching philosophy and selected publications. For tenure-track positions, at least three (3) reference letters are required.

Robotics Candidates: If your research area is robotics, please also send your cover letter and CV to faculty_jobs_robotics@utlists.utexas.edu along with an indication that you have applied to the Computer Science Department. This will ensure that your application is connected to the university-wide robotics search.

To apply for a tenure-track position on-line at <https://apply.interfolio.com/68402>

For full consideration of your application, please apply by December 1, 2019. Applications received prior to December 1 (including all reference letters) will be reviewed immediately upon application submission. Early submission before November 15, 2019 is strongly encouraged. We anticipate inviting successful candidates whose applications are completed early to begin the interview process as soon as their applications have been evaluated. Applications received after December 1, 2019 will be considered in total on a space available basis only. Inquiries about your application may be directed to faculty-search@cs.utexas.edu. The University of Texas is an Equal Opportunity Employer.

University of Texas at Austin

Open-rank Tenured/Tenure-Track Faculty

The School of Information at the University of Texas at Austin invites applications for 3 tenured or tenure-track faculty positions to start in Fall 2020. Rank and salary for successful candidates will be commensurate with qualifications and experience. We are seeking colleagues who will contribute to research and to teaching at both the graduate and undergraduate level. We welcome applicants representing a broad range of interests and strengths and are particularly interested in candidates with expertise in the following areas: informatics, digital archives and archival

Professional Opportunities

studies, cultural heritage informatics, social justice informatics, human-computer interaction, user experience design, health informatics, and human-centered data science.

For more information on how to apply, please visit <https://www.ischool.utexas.edu/facultysearch>.

University of Texas at El Paso

Two Tenure-Track Assistant Professors in Computer Science

The Department of Computer Science invites applications for two Assistant Professor positions beginning in fall 2020. For information about these positions including required qualifications and application instructions, please visit our website at <https://utep.interviewexchange.com/jobofferdetails.jsp?JOBID=115743>

The University of Texas at El Paso is an Equal Opportunity/Affirmative Action employer. The University does not discriminate on the basis of race, color, national origin, sex, religion, age, disability, genetic information, veteran status, sexual orientation or gender identity in employment or the provision of services.

University of Utah

Assistant Professor, Lecturer

The School of Computing (SoC) at the University of Utah seeks applicants for the position of Lecturing Professor (at all

ranks) beginning in the fall semester of 2020. This lecturing position is intended to be a long term or permanent position, with possibilities for extended contracts and promotion within the University's CareerLine Faculty structure.

The School of Computing currently employs 48 tenure-track and 8 lecturing professors who collaborate to offer a variety of undergraduate and graduate degree and certificate programs and is expected to grow significantly in the coming years. The SoC offers graduate and undergraduate degrees in computing, computer science and computer engineering, including a new masters degree in software development.

The qualifications of an ideal candidate include (i) a strong academic background in computer science or a related field (Ph.D. preferred but not required), (ii) practical experience in computer science, (iii) a demonstrated proficiency in teaching, and (iv) an interest in curriculum development. Lecturing faculty typically teach four courses a year, are strongly involved in university governance and service roles, and are encouraged to continuously improve their scholastic credentials (e.g., by developing curriculum, employing innovative pedagogical methods, publication, etc.).

The School of Computing at the University of Utah is committed to broadening the participation in the field of computing and values candidates with diverse intellectual, cultural, and ethnic backgrounds, and who possess a strong commitment to improving access

to higher education for historically underrepresented students. The School is also committed to addressing lifestyle priorities and is open to providing opportunities for spouses and significant others.

The University of Utah provides a generous benefits package with a variety of medical and dental plans from which to choose. Other important benefits include retirement, tuition reduction, a wellness program, and an Employee Assistance Program. Candidates may apply through the following URL: <http://utah.peopleadmin.com/postings/98843>

The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, veterans, and persons with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans. Reasonable disability accommodations will be provided with appropriate notice. For additional information about the University's commitment to equal opportunity and access see: <http://www.utah.edu/nondiscrimination>.

University of Utah

Director of School of Computing

The College of Engineering at the University of Utah seeks applications for the Director of the School of Computing. The University of Utah is a Carnegie Research I Institution, and the School of Computing is an exciting, highly productive unit with a 50-year history of excellence



Assistant Professor of Biology and Data Science

The University of Virginia invites applications for a tenure-track Assistant Professor position with joint appointment in the Department of Biology and the School of Data Science. We seek applicants whose research programs address fundamental questions at the interface of Biology and Data Science. Of particular interest are researchers aiming to develop innovative computational tools to improve biological understanding in areas potentially including but not limited to: genomics and phenotype prediction; cell state and signaling; biological network architecture and information processing; multiscale modelling; cellular, organismal or population dynamics; biological image acquisition and analysis. Applicants are sought whose work will synergize with existing labs in the Department of Biology and elsewhere, with research emphases ranging from molecules to cells and tissues, and organisms to populations and ecosystems, as well as programs in the new School for Data Science in the areas of data acquisition, engineering, analysis, visualization or dissemination. Applicants employing computational methods with or without experimental approaches will be considered. A successful candidate is expected to establish a vigorous, independent, and externally funded research program as well as provide instruction and scientific training at the undergraduate and graduate levels. Applicants with a respect for diversity and a passion for making a positive impact on the world in a collaborative, open environment are strongly encouraged to apply. The position will begin on August 25, 2020. Located within the College of Arts and Sciences, the Department of Biology provides an interdisciplinary and collaborative environment for basic research and teaching that spans multiple levels of biological organization. The newly formed School of Data Science, founded with the largest gift in the university's history, is dedicated to open interdisciplinary research of societal benefit with data science at the core. With the schools of Medicine, Engineering & Applied Sciences, UVA offers a diverse, collegial, interdisciplinary, and collaborative environment.

Qualifications

Applicants must have a Ph.D. in life sciences, computer science, statistics or a related field by the start of their appointment. A successful applicant will also have research accomplishments and plans of outstanding quality and significance at the interface of biology and data science as well as a commitment to excellence in teaching and mentoring. A proven commitment to participate in and further develop a diverse, collegial, interdisciplinary, and collaborative environment needs to be demonstrated.

Application Process and Deadline

Please apply online at https://uva.wd1.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/Assistant-Professor-of-Biology-Data-Science_R0010887. Review of applications will begin November 3, 2019; candidates who apply by then will be given priority consideration, but the position will remain open until filled.

The University of Virginia is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans and persons with disabilities are encouraged to apply.

computer science and computing, with a wide range of research tracks, enrolling approximately 350 graduate students. The University has invested significantly in the School's recent growth, and significant further resources are anticipated.

The Director of the School reports to the Dean of the College of Engineering and is responsible for internal leadership, administration, and external representation of the School—including managing relationships with other campus entities, industry, and a range of stakeholders. The Director provides vision and leads the faculty in establishing and implementing strategic plans, and works collaboratively with faculty to implement the School's priorities for advancing its status in research and education. The Director manages the School on a daily basis with duties that include allocating financial resources, recruiting faculty and students, evaluating faculty and staff, guiding program assessment, and managing teaching resources.

Candidates should have an excellent, proven academic/research program with international visibility, appropriate for the rank of Professor, as well as demonstrated leadership and administrative skills. Candidates will be evaluated on their academic credentials and their vision for the future of the School, as well as their previous administrative successes, experience in successful consensus-building, skills in engaging with community and campus stakeholders, and ideas/plans for broadening participation in the field of computing at all levels.

in computer science education, innovation, and research. Objective measures of research productivity put the School among the top 25 computer science departments in the nation. The School of Computing,

with over 50 faculty, has a large, growing undergraduate program in computer science and computer engineering and a newly created BS degree in data science. The School offers graduate degrees in

Professional Opportunities

The School of Computing at the University of Utah values candidates with diverse intellectual, cultural, and ethnic backgrounds. The School is also committed to addressing life priorities and is open to providing opportunities for dual career partners.

The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Utah and the stunning Salt Lake Valley are undergoing robust economic growth, with one of the Nation's fastest-growing technology sectors, and the University of Utah is acclaimed for its successes in technology-driven startups.

Candidates should apply online at <http://utah.peopleadmin.com/postings/98262>

Review of applications will begin on November 15, 2019, and applications will be evaluated every week thereafter until the search is closed. Additional information about the School and our current faculty can be found at <http://www.cs.utah.edu>.

The University of Utah is an Equal Opportunity/Affirmative Action employer and educator. Minorities, women, veterans, and persons with disabilities are strongly encouraged to apply. Veterans' preference is extended to qualified veterans. Reasonable disability accommodations will be provided with appropriate notice. For additional information about the University's commitment to equal opportunity and access see: <http://www.utah.edu/nondiscrimination/>

University of Utah

Assistant Professor (Lecturer)

The University of Utah's Entertainment Arts and Engineering (EAE) program is seeking to hire a teaching faculty member at the rank of assistant professor (lecturer), beginning Fall 2020. This is a Career-Line Faculty position (research optional, non-tenure track) within the University's structure intended to be a long-term position with a renewable contract and multi-year appointments.

EAE is looking to hire a Game Engineering candidate with an interest and knowledge in the technical and/or engineering aspects of game development such as: game engines, game architecture, gameplay programming, systems engineering, game AI, virtual reality, game tools development, game networking, game graphics, and game hardware. Experience in game development with industry-standard tools, platforms, and processes (e.g. agile, scrum, etc.) is highly desirable.

Candidates must hold a terminal degree in a technical field (e.g. PhD in Computer Science, Informatics). The successful candidate will be passionate about teaching the diversity of students within EAE and the University of Utah. Responsibilities include teaching technically-oriented undergraduate and graduate courses as well as project-based studio courses, often in collaboration with other EAE faculty. We are also excited about candidates who are, or want to be, active in game development broadly construed (e.g.

indie, AAA, experimental, etc.). The faculty member is expected to perform university and professional service.

If you are interested in teaching the next generation's leaders in games and interactive entertainment, we strongly encourage you to apply.

The University of Utah's EAE Program is a world leader in games education, with top-ranked programs at both the undergraduate and graduate levels. Founded in 2007, EAE is a teaching program centered on the discipline of games, with its programs consistently ranked in the top ten worldwide by Princeton Review since 2013. EAE programs were ranked #1 in the world in 2013, 2015 and 2016. The EAE faculty includes artists, computer scientists, designers, games studies scholars, and social scientists who work together to design and teach our courses. This diversity of background in our faculty is one of the core elements of our students' experiences.

The University of Utah is a Carnegie Research I institution located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Additionally, a vibrant local game development community offers opportunities for interesting collaborations. In their 2016 report on the videogame industry in the US, the Entertainment Software Association (ESA) described Utah as the 2nd best-performing state for growth in the game industry since 2013. Further information about EAE and our

Professional Opportunities

current faculty can be found at <https://games.utah.edu/about-eae/>.

Interested candidates should provide a cover letter, curriculum vitae, teaching statement, and names and contact information for at least three references to be considered. Evidence of teaching effectiveness is strongly recommended if available. Applications must be submitted on-line. Review of applications will begin immediately. Applications received by December 1, 2019, will receive full consideration. EAE is especially interested in qualified candidates who can contribute to the diversity of our academic community. We strongly encourage underrepresented minority and women candidates to apply. <https://utah.peopleadmin.com/postings/98772>

University of Virginia

Seeking Multiple Faculty at All Ranks in All Computer Science Areas

Computer Science Department

The Department of Computer Science at the University of Virginia seeks multiple tenured or tenure-track faculty at all ranks in all computer science areas. Qualifications include an outstanding record of scholarship, an awarded or expected doctorate in computer science or equivalent, and a commitment to student mentoring, undergraduate and graduate teaching excellence, diversity, and professional service. Rank is dependent upon experience and qualifications. As UVA highly values collaborative, interdisciplinary research, joint appointments in Electrical and Computer

Engineering or other science and engineering departments, as appropriate, are a possibility.

With one of the highest graduation rates of minority undergraduate students and one of the highest percentages of women engineering students among public universities, the University of Virginia is fundamentally committed to increasing the diversity of its faculty and staff.

The University of Virginia is rated as one of the top 3 public universities in the nation and in the top 30 among all universities, public and private. The University is situated in the beautiful foothills of the Blue Ridge Mountains in the vibrant city of Charlottesville. For more information about UVA and the Charlottesville community please see <http://www.virginia.edu/life/charlottesville> and <https://embarkcva.com/>. The Department of Computer Science at the University of Virginia is experiencing sustained faculty growth along with multiple research areas - for more information, see <http://www.cs.virginia.edu>. In addition, UVA assists faculty spouses and partners seeking employment in the Charlottesville area. To learn more please visit <https://dualcareer.virginia.edu/>

Please apply online at https://uva.wdl.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/Multiple-Faculty-Positions-at-All-Ranks---Department-of-Computer-Science_R00III49 and attach the following required applicant documents:

- A cover letter that addresses (1) Areas of research/scholarship interest; (2) Why you want to be a professor at UVA; (3) Demonstrated experience working with diverse populations and your values related to diversity, equity and inclusion

- CV/resume
- Research Statement
- Teaching Statement
- Two (2) research papers that best represent your work
- Contact information for three references (name, email address, telephone number, and address).

Review of applications will begin on December 1, 2019, and will continue until the positions are filled.

For questions about these positions, please contact Prof. Sebastian Elbaum at selbaum@virginia.edu. For questions about the application process, please contact Rich Haverstrom at rk6j@virginia.edu.

The University will perform background checks on all new hires prior to employment. This position will also require an Education Verification (FSAKA).

The University of Virginia, including the UVA Health System and the University Physician's Group are fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences. We are an equal opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender identity, marital status, national or ethnic origin, political affiliation, race, religion, sex (including pregnancy), sexual orientation, veteran status, and family medical or genetic information.

Professional Opportunities

University of Washington

Assistant or Associate Professors

The University of Washington's Paul G. Allen School of Computer Science & Engineering has multiple tenure-track positions in a wide variety of technical areas in both Computer Science and Computer Engineering. Hires will be made at the Assistant (Tenure-track) and Associate (Tenure-eligible) Professor ranks, commensurate with experience and qualifications. The positions would be full-time, multi-year appointments with 9-month service periods and with an anticipated start date of September 1, 2020. Our school offers a highly collegial and collaborative culture, with broad interdisciplinary research ties across campus. We are leaders both in core computing and computer engineering research, and in research that applies computer science to solve pressing world challenges in medicine and global health, education, accessibility, developing world technology, and others. The Seattle area is particularly attractive given the presence of significant industrial research laboratories, top technology companies, as well as a vibrant technology-driven entrepreneurial community that further enhances the intellectual atmosphere.

We look forward to learning how the applicant's experience or future plans for teaching, research, and service would support our commitment to diversity and inclusion. *The University of Washington is a recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation*

of women in academic science and engineering careers.

All University of Washington faculty engage in teaching, research, and service.

Qualifications

Applicants for tenure-track positions must have earned a doctorate (or foreign equivalent) in Computer Science, Computer Engineering, or related field, by the date of appointment.

Application Instructions

Applications received by November 15, 2019, will be given priority consideration. Applications will only be accepted via Interfolio. <https://apply.interfolio.com/64708>

Please provide pdf files for the following requested materials: your letter of application, a complete curriculum vitae, statements of research and teaching interests, a diversity statement, and your three most significant publications. You are also asked to provide at least four confidential letters of recommendation. For any administrative issues or inquiries related to the search, please contact frc@cs.washington.edu. For technical issues, please contact Interfolio staff at 877-997-8807 or help@interfolio.com.

Equal Employment Opportunity Statement

The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, creed,

religion, national origin, sex, sexual orientation, marital status, pregnancy, genetic information, gender identity or expression, age, disability, or protected veteran status.

Commitment to Diversity

The University of Washington is committed to building diversity among its faculty, librarian, staff, and student communities, and articulates that commitment in the UW Diversity Blueprint (<http://www.washington.edu/diversity/diversity-blueprint/>). Additionally, the University's Faculty Code recognizes faculty efforts in research, teaching and/or service that address diversity and equal opportunity as important contributions to a faculty member's academic profile and responsibilities (<https://www.washington.edu/admin/rules/policies/FCG/FCCH24.html#2432>)

University of Washington

Lecturer or Senior Lecturer

Description

The University of Washington's Paul G. Allen School of Computer Science & Engineering has one or more full-time or part-time positions for Lecturers and Senior Lecturers. Lecturers and Senior Lecturers are non-tenure eligible faculty members who are hired on multi-year appointments with a 9-month service period plus summer opportunities with an anticipated start date of September 1, 2020. We seek candidates with a strong commitment to teaching and student mentoring.

Professional Opportunities

Our Lecturers are long-term educational professionals who combine instructional excellence with a variety of leadership, community building, outreach, pedagogy advances, and scholarship. Our school offers a highly collegial and collaborative culture, with a range of teaching and curriculum-development opportunities in lower-division and upper-division courses for majors and non-majors. The Seattle area is particularly attractive given the presence of significant industrial research laboratories as well as a vibrant technology-driven entrepreneurial community that further enhances the intellectual atmosphere.

The Allen School fosters a diverse and inclusive academic community as a fundamental part of our mission as a public educational institution (see <https://www.cs.washington.edu/diversity>). We encourage applicants with a similar commitment to diversity and welcome learning how the applicant's experiences and future plans for teaching and service would support our commitment to diversity and inclusion. The University of Washington is a recipient of a National Science Foundation's ADVANCE Institutional Transformation Award to increase the advancement of women in academic science and engineering careers.

Qualifications

Applicants for lecturer positions must have earned at least a Master's degree OR have acquired the equivalent expertise via several years of industry and/or teaching experience.

Application Instructions

Applications received by November 30, 2019 will be given priority consideration. Applications will only be accepted via Interfolio. <https://apply.interfolio.com/67275>

Please provide pdf files for the following requested materials: your cover letter, a complete curriculum vitae, teaching portfolio, and diversity statement.

The teaching portfolio should address the following: teaching experience and interests, teaching philosophy and methods, and evaluation of teaching effectiveness. Additionally, Senior Lecturer applications should address course and curriculum design.

We encourage applications from individuals whose backgrounds or interests align with our commitment to diversity and the diversity statement should reflect on the applicant's past experiences and address future plans to contribute to a diverse and inclusive learning environment in the Allen School and the broader university community.

You are also asked to provide three (3) letters of reference. For any administrative issues or inquiries related to the search, please contact frc@cs.washington.edu. For technical issues, please contact Interfolio staff at 877-997-8807 or help@interfolio.com.

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University of Washington

Lecturer or Senior Lecturer

Description

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University of Waterloo

Department of Electrical & Computer Engineering, Computer Hardware

The Department of Electrical & Computer Engineering at the University of Waterloo invites applications for a tenure track position with an anticipated start date of July 1, 2020. Candidates with proven research in the general area of **Computer Hardware** centering on one or more of the following topics: micro-architecture; hardware security;

Professional Opportunities

hardware acceleration for networking and databases; hardware for machine learning; and, high-level synthesis are especially appealing. It is anticipated that the position will be at the rank of Assistant Professor. In exceptional cases, an appointment at the rank of Associate Professor or Full Professor will be considered.

Screening will begin immediately upon receipt of a complete application. To ensure full consideration, the **application should be received before December 31, 2019.**

For full details and application instructions, please visit <https://uwaterloo.ca/engineering/computer-systems-hardware-opening>

University of Waterloo

Department of Electrical & Computer Engineering, Computer Systems Software

The Department of Electrical & Computer Engineering at the University of Waterloo invites applications for a tenure track position with an anticipated start date of July 1, 2020. Candidates with a proven research record in building, evaluating, experimenting-with and scaling-of **Computer Systems Software** with contributions being publishable in operating systems, database systems or distributed systems venues are especially appealing. It is anticipated that the position will be at the rank of Assistant Professor. In exceptional cases, an appointment at the rank of Associate Professor or Full Professor will be considered.

Screening will begin immediately upon receipt of a complete application. To ensure full consideration, the application should be received before December 31, 2019.

For full details and application instructions, please visit <https://uwaterloo.ca/engineering/computer-systems-software-opening>

University of Waterloo

Tenure-track and Tenured

Faculty Positions

David R. Cheriton School of

Computer Science

Faculty of Mathematics

The David R. Cheriton School of Computer Science invites applications for ten tenure-track Assistant Professor positions, subject to budget approval. Tenured appointments at the Associate and Full Professor level are possible as circumstances warrant.

Excellent faculty members are sought who will enhance the school's strength in Computer Science. Priority areas include:

1. Artificial Intelligence (esp. Machine Learning, Natural Language Processing, and Multi-agent Systems)
2. Bioinformatics
3. Computer Security and Privacy Enhancing Technologies
4. Data Systems (esp. Information Retrieval and Data Science Infrastructure)

As well, there are one or more positions that are open to all areas of Computer Science. All successful applicants are expected to engage actively in graduate

student supervision and teaching, to contribute to the overall development of the school, and to be, or to have demonstrated the potential to be, leaders in their research field. A PhD in Computer Science, or equivalent, is required. Rank and salary will be commensurate with experience; the salary range is \$120,000 – \$180,000 and negotiations beyond this salary range will be considered for exceptionally qualified candidates. The expected start date for these positions is July 1, 2020 though the actual start date is flexible.

The David R. Cheriton School of Computer Science is the largest Computer Science school in Canada, with 83 professorial faculty members. It enjoys an excellent reputation in pure and applied research and houses a diverse research program of international stature. Because of its recognized capabilities, the school attracts exceptionally well-qualified students at both undergraduate and graduate levels. In addition, the University of Waterloo has an enlightened intellectual property policy that vests all rights in the inventor. Please see the school's website for more information:

<https://www.cs.uwaterloo.ca>.

To submit an application, please register at the submission site: <https://www.cs.uwaterloo.ca/faculty-recruiting>.

Once registered, instructions will be provided regarding how to submit your full application. Applications will be considered as soon as possible when received, with full consideration assured for those received by November 30, 2019.

Professional Opportunities

If you have any questions regarding the position, the application process, assessment process, eligibility, or a request for accommodation during the hiring process, please contact:

Professors Anna Lubiw and Charles Clarke
David R. Cheriton School of Computer Science
University of Waterloo
Waterloo ON N2L 3G1, Canada
cs-recruiting@uwaterloo.ca

The University of Waterloo regards diversity as an integral part of academic excellence and is committed to employment equity and accessibility for all employees. As such, we encourage applications from women, Indigenous (First Nations, Métis, and Inuit) peoples, persons with disabilities, members of diverse gender identities, and others who may contribute to the further diversification of ideas. At Waterloo, you will have the opportunity to work across disciplines and collaborate with an international community of scholars and a diverse student body, situated in a rapidly growing community that has been termed a “hub of innovation.” All qualified candidates are encouraged to apply; however, Canadians and permanent residents will receive priority in the recruitment process.

Three reasons to apply: <https://uwaterloo.ca/fauw/why>.

Vanderbilt University

Tenure Track Faculty Position in Computer Science and Data Science

THE DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE (EECS) AT VANDERBILT UNIVERSITY is seeking candidates for a tenure-track faculty position in computer science. Candidates will be considered in broadly defined areas of machine learning, artificial intelligence, data science, natural language processing, visualization, and/or computer vision. Successful candidates are expected to teach at the undergraduate and graduate levels and to develop and grow vigorous programs of externally funded research. The Vanderbilt CS program provides a unique, collaborative, and interdisciplinary research environment. These positions are part of a broader multi-year faculty hiring initiative in the data sciences. Candidates will be core members of Vanderbilt’s recently established Data Science Institute, and will be expected to contribute to the research and teaching mission of the institute, and ideally to foster research collaborations with existing faculty across academic departments working on data science related topics.

Applications should be submitted on-line at: <http://apply.interfolio.com/69338>. For more information, please visit our website: <http://engineering.vanderbilt.edu/eecs>.

Applications will be reviewed on a rolling basis beginning November 15, 2019 with telephone interviews beginning December 1, 2019. The final application deadline is January 15, 2020.

Vanderbilt is an Equal Opportunity/Affirmative Action employer.

VCU College of Engineering

Computer Science Faculty Openings

The Department of Computer Science of the College of Engineering (CoEgr) at Virginia Commonwealth University (VCU) has multiple faculty openings at all ranks. As part of a premier research university situated in Virginia’s capital city, VCU’s computer science department has bachelor’s, master’s, and doctoral programs and collaborates closely with many VCU schools and departments including numerous health care investigations with researchers on VCU’s MCV campus. Additional information about the department’s programs and faculty may be found at <http://www.egr.vcu.edu/departments/computer/>.

VCU is a Carnegie-classified very high research activity university and is one of the top 100 universities in the U.S. in federal R&D expenditures. The CoEgr is in an extensive growth stage. Since 2008 it has doubled the number of its faculty and is slated to open a state-of-the-art research facility in 2020. Embarked on rapid growth, the computer science department currently has 26 tenure-track, tenured and term faculty members.

Candidates should be qualified for an appointment based on excellence in publication, funding and graduate and undergraduate teaching. Well-qualified candidates in all areas of computer science will be considered, however, of special interest are faculty in software engineering and cybersecurity.

Professional Opportunities

Required qualifications: Applicants must have a doctorate in computer science or software engineering, with relevant professional experience after receiving Ph.D. degree. Senior-level candidates must have a well-developed research portfolio with evidence of substantial external funding.

Application Process: Candidates should upload their application at <http://www.vcujobs.com> position F64800 a single pdf file in the «other document» section that includes, in this order: a cover letter, curriculum vitae, research and teaching statements, and the names and e-mail addresses of four references (five references for Full Professors).

Reference letters will be requested by the search committee only for the short-listed candidates. Only complete applications that meet the required qualifications will be considered.

Review of applications will start November 18, 2019, and will continue until filled.

For additional information, please contact Chair of the faculty search committee, Prof. Lukasz Kurgan, email: lkurgan@vcu.edu or phone: (804) 827-3986.

EEO/AA Policy Virginia Commonwealth University is an equal opportunity, affirmative action employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

Vienna University

TU Wien, Austria

Announcement of an open position at the Faculty of Informatics,

Full Professor of Artificial Intelligence Techniques

The TU Wien (Vienna University of Technology) invites applications for a Full Professor position at the Faculty of Informatics.

The applicant is required to have an outstanding academic record in Artificial Intelligence. In particular, the focus of the professorship will be on techniques and tools for Artificial Intelligence Systems. Topics of interest include but are not restricted to: Heuristic Problem Solving and Search, Question Answering, Algorithmic Decision Making, Probabilistic Models and Reasoning, Planning and Scheduling, Natural Language Understanding, Engineering of Intelligent Systems.

We offer excellent working conditions in an attractive research environment in a city with an exceptional quality of life.

For a more detailed announcement and information on how to apply, please go to:

<http://www.informatics.tuwien.ac.at/jobs>

Application Deadline: December 1, 2019

Villanova University

Assistant Professor

The Department of Computing Sciences at Villanova University seeks applicants for a

tenure track position in Computer Science at the rank of Assistant Professor. The appointment will be effective in Fall 2020. Review of applications is ongoing and will continue until the position is filled. Potential candidates should have a Ph.D. or other terminal degree in computer science or a closely related field from an accredited institution.

The Department is committed to both scholarly research and teaching. Among its faculty members are internationally renowned scholars in theory of computation, virtual reality, algorithms, and digital libraries. The Department also features a robust research initiative in machine learning, including deep learning. Its faculty members collaborate closely with the Center of Excellence in Enterprise Technology, which uses a large CAVE for research in virtual reality.

Candidates for the position should demonstrate how they will maintain an active research agenda leading to high quality publications. They should also provide evidence of commitment to effective teaching at the undergraduate and graduate levels. Strong candidates from all areas will be considered.

Applicants with background in cybersecurity or data science are urged to apply. The Department encourages and supports faculty members interested in interdisciplinary teaching and research. The Department is a member of the NCWIT Academic Alliance and is one of its original Pacesetter organizations. As it grows a culture of inclusivity, the Department collaborates closely with the McNulty Institute for Women's

Professional Opportunities

Leadership; the Office of Diversity, Equity and Inclusion; and the VISIBLE program, which is supported by an NSF ADVANCE IT grant and is actively and successfully addressing diversity, equity and inclusion issues across faculty, staff, and students at all levels.

Applicants must apply online at <https://jobs.villanova.edu/17045>. The online application should include a letter indicating interests and suitability for the position, statement of research interests, statement of teaching philosophy, curriculum vitae, unofficial academic transcripts, and contact information for three references who will receive a secure link to upload a confidential letter of recommendation when you submit your application. Questions about the position can be directed to the search committee chair, Dr. Robert Beck at Robert.Beck@villanova.edu.

Villanova is a Catholic university sponsored by the Augustinian order. Diversity and inclusion have been and will continue to be an integral component of Villanova University's mission. The University is an Equal Opportunity/Affirmative Action employer and seeks candidates who understand, respect and can contribute to the University's mission and values.

Virginia Tech

Faculty Positions, Electrical and Computer Engineering

The Bradley Department of Electrical and Computer Engineering at Virginia Tech

seeks applications for multiple tenured/tenure-track positions at all levels as well as open-rank collegiate faculty. Applicants with expertise in secure software systems, machine learning for autonomous systems, and cyber-physical systems security for power grids. ECE is also seeking a collegiate faculty member to serve as the Director of the Undergraduate Programs. Positions are available in Blacksburg, VA and the greater Washington, D.C., metro area.

Please visit <https://ece.vt.edu/people/positions> for complete information and the application process.

Washington and Lee University

Department of Computer Science Tenure-Track Faculty Position

The Department of Computer Science at Washington and Lee University invites applications for a tenure-track position at the rank of Assistant Professor for the fall of 2020. Candidates for Assistant Professor should have a Ph.D. in computer science by September 1, 2020, be committed to excellence in undergraduate teaching, and exhibit potential for maintaining a viable research program. In addition to teaching courses in one or more of the core areas of computer science, candidates should be able to sponsor student research in computer science. Interdisciplinary opportunities are also available.

The Department consists of 6 faculty members (including the advertised position) and a full-time technician. For

more information about the department, see <http://cs.wlu.edu/>

Washington and Lee is a highly selective liberal arts college of approximately 1860 students located in the scenic Shenandoah Valley of Virginia. To achieve our mission as a liberal arts college, we continually strive to foster an inclusive campus community, which recognizes the value of all persons regardless of identity. In keeping with the goals of the University's Strategic Plan, we seek candidates who can effectively mentor diverse students, including first-generation college students and underrepresented minority students.

Processing of applications will begin immediately and continue until the position is filled. Applications should include a cover letter, CV, teaching and research statements, and three letters of reference, to be submitted to Interfolio at <http://apply.interfolio.com/68369>. Files in PDF format are required.

EEO Statement

Washington and Lee is an Equal Opportunity Employer. As such, we are interested in candidates who are committed to high standards of scholarship, performance and professionalism and to the development of a campus climate that supports equality and diversity in our faculty, staff and student body. Job description requirements are representative, but not all-inclusive of the knowledge, skill, and abilities needed to successfully perform this job. Reasonable accommodations may be made to enable qualified

Professional Opportunities

individuals with disabilities to perform essential functions.

Statement of Commitment to Diversity

Washington and Lee affirms that diverse perspectives and backgrounds enhance our community. We are committed to the recruitment, enrichment, and retention of students, faculty, and staff who embody many experiences, cultures, points of view, interests, and identities. As engaged citizens in a global and diverse society, we seek to advance a positive learning and working environment for all through open and substantive dialogue.

Washington University in St. Louis

Faculty Position – Tenure Track

The Department of Computer Science & Engineering at Washington University in St. Louis seeks outstanding tenure-track faculty to begin on or after July 1, 2020. Our department has been growing with plans to continue expanding in the coming years. We seek talented and highly motivated individuals who will build transformative research programs through work in the core disciplines of computer science and computer engineering, as well as through interdisciplinary collaborations. While exceptional candidates from all areas of computer science and engineering will be considered, we particularly welcome those who can help the department advance in two major fronts. The first front is data science approaches for solving critical social problems. The second front is security and privacy in cyber-physical and AI/ML systems

with applications in areas such as healthcare, automation and transportation. Successful candidates should show exceptional promise for research leadership and a strong commitment to high-quality teaching. Candidates will be expected to publish their research in peer-reviewed conferences and journals, teach, and participate in department and university service. The usual teaching load is one course per semester.

Our faculty is engaged in a broad range of research activities. Key strategic themes include tight integration of computation with the human and physical worlds, the extraction of knowledge from massive data sets, and the design of safe, secure, and scalable computing systems. The impact of our work is magnified through interdisciplinary collaborations throughout the McKelvey School of Engineering, with colleagues in the sciences, arts, and humanities, and with our world-renowned Brown School of Social Work and the School of Medicine. In particular, the department recently initiated a new interdisciplinary Ph.D. program, jointly with the Brown School of Social Work and the departments of Political Science and Psychological and Brain Sciences, aimed at training students to apply modern computational and statistical methods to problems in social science. Our doctoral graduates go on to leadership positions in both academia and industry. The department values both fundamental and applied research and has a strong tradition of successful technology transfer. Our faculty is known for its collegiality and for providing a supportive environment for new arrivals.

Washington University is a private university with roughly 7,000 full-time undergraduates

and 7,000 graduate students. It is nationally known for the exceptional quality of its student body and for its attractive campus, which borders residential neighborhoods and one of the nation's largest urban parks. Many faculty walk or bike to work. St. Louis combines a Midwest cost of living with a vibrant metropolitan area, offering a wealth of cultural and entertainment opportunities.

Appointment is expected at the rank of Assistant Professor; however, exceptionally qualified applicants may be considered for appointments at the Associate or Full Professor level. Applicants must hold a doctorate in Computer Science, Computer Engineering, or a closely related field. Qualified applicants should submit a complete application (cover letter, curriculum vitae, research statement, teaching statement, and contact information for at least three references) through AcademicJobsOnline at <https://academicjobsonline.org/ajol/jobs/14558>. Other communications may be directed to Prof. Roch Guérin, Department of Computer Science & Engineering, Campus Box 1045, Washington University in St. Louis, One Brookings Drive, St. Louis, MO 63130-4899.

Diversity and Inclusion are core values at Washington University, and the strong candidate will demonstrate the ability to create inclusive classrooms and environments in which a diverse array of students can learn and thrive.

Applications received by December 15, 2019, will receive full consideration. An Equal Opportunity-Affirmative Action Employer, Washington University seeks an exceptionally qualified and diverse faculty;

Professional Opportunities

women, minorities, protected veterans, and candidates with disabilities are strongly encouraged to apply.

Wayne State University

Research Assistant/Associate

Wayne State University invites applications for a Research Assistant/Associate in the Department of Computer

Science as part of the JETSCAPE collaboration.

The Jet Energy-loss Tomography with a Statistically and Computationally Advanced Program Envelope (JETSCAPE) collaboration is an NSF funded multi-institutional project to study droplets of matter at extreme temperatures of more than a trillion degrees using jets of particles emanating from these droplets. Matter at these temperatures last existed microseconds after the big bang, and is now routinely created at Brookhaven National Laboratory in New York and at CERN in Switzerland.

The term of the position will be one year, renewable annually for a total of at least two years, beginning as soon as possible. Further renewals are subject to the availability of grant funding

Essential Duties: The collaboration involves teams of theoretical physicists, experimental physicists, statisticians, and computer scientists from Duke, MIT, McGill, Ohio State, University of Tennessee, Lawrence Berkeley National Lab, Lawrence Livermore National Lab, Texas A&M, and Wayne State. A key component of this research is the seamless integration of diverse simulation codes into a scalable open-source software tool.

Qualifications: The position requires a Master's in computer science, engineering, computational physics or related discipline or a Bachelor's degree with significant relevant experience, with demonstrated expertise in developing and managing large-scale software projects. HPC experience is desirable but not required.



Worcester Polytechnic Institute

Assistant Professor of Computer Science

Looking for faculty colleagues who engage deeply in both research and teaching within a curriculum that embraces student projects and independent learning? Consider joining the faculty at WPI.

The Computer Science Department anticipates hiring multiple tenure-track faculty for the Fall of 2020 whose expertise is in the following areas:

- 1) Digital Health
- 2) Natural Language Processing,
- 3) Social Computing
- 4) Compilers/Programming Languages
- 5) Data Science, joining faculty in our interdisciplinary Data Science program.

In addition to these specific areas, outstanding candidates in any area (and any rank) will receive full consideration. Candidates should have a PhD in Computer Science or a closely related field, and the potential for excellence in research and teaching.

WPI's reputation as a rigorous and innovative university rests on the shoulders of its faculty. A highly selective, private technological university and one of the nation's first, WPI believes that when great minds work together, great advances follow. At WPI the boundaries to multidisciplinary collaboration are low--- faculty members, students, and other partners work together on the real-world projects and purposeful research that are hallmarks of the WPI experience. We are most proud of a recent No. 1 ranking for "faculty who best combine research and teaching." (Wall Street Journal/Times Higher Ed, 2016). Located one hour west of Boston, the university's campus is in Worcester, Massachusetts, a thriving 21st century college city recognized as a growing hub of scientific and technological innovation.

Questions about the hiring process should be sent to recruit@cs.wpi.edu. More information about the positions and instructions for applying are available at <http://web.cs.wpi.edu/facultyhire/>. You will need to include detailed research and teaching statements, vitae and contact information for at least three references.

The deadline for applications is December 16, 2019 with applications continuing to be considered after that date until the positions are filled.

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. We are seeking individuals with diverse backgrounds and experiences who will contribute to a culture of creativity and collaboration, inclusion, problem solving and change making.

To apply for the position, please visit: <https://apptrkr.com/1618073>

GREAT MINDS at WORK

Professional Opportunities

Application Instructions: Applicants should submit a cover letter, CV, and contact information for three references. Applications must be submitted online at <http://jobs.wayne.edu> (posting number 044666). Questions should be directed to Loren Schwiebert at loren@wayne.edu or to Abhijit Majumder at majumder@wayne.edu.

Wentworth Institute of Technology

Assistant Professor - Computer Science and Networking

Founded in 1904, Wentworth Institute of Technology is an independent, co-educational, nationally-ranked university offering career-focused education through 19 bachelor's degree programs in areas including computer science, computing networking, cybersecurity, engineering, architecture, design, and construction management. Recent new programs include Cybersecurity and Applied Sciences, both launched in 2019.

The Department of Computer Science and Networking invites applications for one Assistant Professorship beginning August 31, 2020. Qualifications required of all applicants include a minimum of an M.S. in Computer Science or a related discipline and a strong commitment to teaching at the undergraduate and graduate levels. Particular attention will be given to candidates with a background in cybersecurity, networking, artificial intelligence, or software engineering, although candidates with any computational background are encouraged to apply.

The Department consists of 15 full-time faculty members and offers programs leading to three B.S. degrees in Computer Science, Computer Networking, and Cybersecurity. The Department is also currently launching an M.S. program in Applied Computer Science. The Department has teaching and research strengths in artificial intelligence, data science, cybersecurity, networking, operating systems, high-performance computing, software engineering, and mobile/web application development. In addition, members of the Department have close collaborative relationships with faculty in applied mathematics, sciences, and electrical and computer engineering, among others.

Wentworth's mission is to prepare our students for career success through experiential learning. Faculty are expected to teach undergraduate computing courses, to engage in research and scholarly activity, and to perform service to the institute (including academic advising and serving on committees) and the profession. Faculty are strongly encouraged to participate in service-learning opportunities with the Center for Community and Learning Partnerships and in innovation and entrepreneurship activities with Accelerate.

Review of applications will begin by November 1, 2019, and continue on a rolling basis. Qualified applicants should apply at jobs.wit.edu. Wentworth seeks to increase the diverse perspectives of its faculty and encourages applications from members of underrepresented groups in STEM.

Wentworth is an AA/EEO employer. Women and minorities are encouraged to apply.

Williams College

Tenure Track Faculty Position in Computer Science

The Department of Computer Science at Williams College invites applications for a tenure-track position at the rank of assistant professor beginning fall 2020. In an exceptional case, a more advanced appointment may be considered. The position has a three-year initial term and is open to all areas of computer science. We are especially interested in candidates with strong backgrounds in Machine Learning, Artificial Intelligence, Natural Language Processing, or Computer Graphics, but applicants from all areas are encouraged to apply.

New faculty will join thirteen current members of the department in supporting a thriving and diverse undergraduate computer science major. Candidates should have a commitment to excellence in teaching and research, and should, by September 2020, possess a Ph.D. in computer science or a closely related discipline. Successful candidates will teach a total of three courses during the academic year, along with associated labs.

The Department of Computer Science offers a congenial working environment, an excellent and diverse student body, and state-of-the-art facilities. Many opportunities exist for collaboration across disciplines. For more

Professional Opportunities

information about the department and how to apply, please visit <http://www.cs.williams.edu>

Applications should include a cover letter, curriculum vitae, teaching and research statements, and three letters of reference, at least one of which speaks to the candidate's promise as a teacher. The application materials should also address how the candidate's teaching, scholarship, mentorship and/or community service might support Williams' commitment to diversity and inclusion. Application materials must be submitted electronically through Interfolio. Materials may be addressed to Professor Jeannie Albrecht, Chair, Department of Computer Science.

All applications received by December 1 will receive full consideration, and review of applications will continue until the position is filled. Please direct all correspondence to hiring@cs.williams.edu. All offers of employment are contingent upon completion of a background check as described here <https://faculty.williams.edu/prospective-faculty/background-check-policy/>

Williams College is a coeducational liberal arts institution located in the Berkshire Hills of western Massachusetts. The college has built its reputation on outstanding teaching and scholarship and on the academic excellence of its approximately 2,000 students. Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

York University, Toronto, Canada

Department of Electrical Engineering and Computer Science, Lassonde School of Engineering

Applications are invited from qualified individuals for the following tenure-track positions:

Artificial Intelligence/Machine Learning/

Computer Vision: one or more of the following areas: artificial intelligence, machine learning, or computer vision

Computer Engineering: digital systems hardware areas such as: computer architecture; hardware for embedded, mobile, wearable or cyber-physical computing systems; hardware-software codesign; configurable and application-specific hardware; dependable and secure computing hardware; energy/reliability/security-aware VLSI systems; and computer-aided design, testing and verification of digital systems

Computer Security (2 positions): areas such as OS security and malware analysis; software security; computer and network forensics; network security; penetration testing and ethical hacking; mobile security; cloud security; IoT security; user privacy; trust management; and cryptography

Software Engineering: all areas within Software Engineering, with a preference for those with expertise in formal methods

Teaching Stream (2 positions): innovative areas of CS or CE education at the university level and/or demonstrated experience in curricular and pedagogical innovation in CS or

CE education

Candidates will have a demonstrated track record of excellence, or promise of excellence, in academic teaching, scholarly research and professional achievement appropriate to the level of their appointment. All successful candidates for professorial stream appointments must be eligible for prompt appointment to the Faculty of Graduate Studies. Candidates for engineering appointments shall demonstrate commitment to the engineering profession by being licensed as a Professional Engineer in Ontario, or by becoming licensed soon after appointment.

For full position and application details, including background on the University and School, see <http://www.yorku.ca/acadjobs>.

Applicants should complete the on-line process at <http://lassonde.yorku.ca/faculty-recruitment/> ensuring that they provide all of the information required.

The deadline for applications for all positions is November 15, 2019. Positions will commence **July 1, 2020**, subject to budgetary approval.