



**CRA**

Computing Research  
Association

# Computing Research News

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COMPUTING RESEARCH ASSOCIATION, UNITING INDUSTRY, ACADEMIA AND GOVERNMENT  
TO ADVANCE COMPUTING RESEARCH AND CHANGE THE WORLD.

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# 2017 Election Committee's Slate of Nominees for the CRA Board Announced and Petition Nominees Sought

CRA is pleased to announce the 2017 Election Committee's slate of nominees for the CRA Board:

## Academic Nominees (7 openings)

James Allan (University of Massachusetts Amherst)  
 Nancy Amato (Texas A&M University)\*  
 Carla Brodley (Northeastern University)  
 Aaron Bobick (Washington University in St. Louis)  
 Kevin Bowyer (University of Notre Dame)  
 Susan Davidson (University of Pennsylvania)\*  
 Dan Grossman (University of Washington)\*  
 Susanne Hambrusch (Purdue University)\*  
 Ran Libeskind-Hadas (Harvey Mudd College)  
 Michael Pazzani (University of California, Riverside)  
 Rob Rutenbar (University of Illinois at Urbana-Champaign)  
 Barbara Ryder (Virginia Tech)\*  
 Michael Scott (University of Rochester)  
 Lynn Andrea Stein (Olin College)  
 Vaide Sunderam (Emory University)  
 Ellen Zegura (Georgia Tech)\*

## Industry Nominees (2 openings)

Brent Hailpern (IBM Almaden)\*  
 Kim Hazelwood (Facebook)  
 Jaime Teevan (Microsoft Research)  
 Mark Wegman (IBM Watson)

\*Denotes current board members.

## Petition Nominees Sought for CRA Board of Directors

In addition the slate announced above, CRA also encourages nominations by petition. Petition nominations signed by the Designated Voting Representatives of **at least five Constituent Member Organizations** that are current in dues payment will be accepted until **February 3, 2017**.

A complete nomination package for petition candidates must be submitted [here](#) no later than February 3, 2017. Separately, each of the five supporters of the petition must send an email to [elections@cra.org](mailto:elections@cra.org) stating their support for the petition candidate to run for a seat on the CRA Board of Directors.

Questions can be sent to [elections@cra.org](mailto:elections@cra.org).

## Important dates and events:

- On **February 10, 2017**, final ballots will be distributed to all CRA department chairs and lab directors. Each chair or director will have one vote for each open slot on the board.
- On **February 27, 2017**, completed ballots must be returned to CRA.

# Nominations Sought for New CCC Council Members

By Helen Wright, CCC senior program associate



The Computing Community Consortium (CCC) is charged with catalyzing and empowering the U.S. computing research community to articulate and advance major research directions for the field. To do so, the CCC needs truly visionary leaders – people with great ideas, sound judgment, and the willingness to work hard to see things to completion. Please help the computing community by nominating such people for the Council.

Established in 2006 through a cooperative agreement between the U.S. National Science Foundation (NSF) and the Computing Research Association (CRA) – representing over 220 North American academic departments, industrial research labs, and professional societies with computing research interests, the CCC provides a voice for the national computing research community, and facilitates the development of a bold, multi-themed vision for computing research, and communicates that vision to a wide range of major stakeholders.

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

The work of the CCC is carried out by an active and engaged **Council**, currently led by [Beth Mynatt](#) (Georgia Tech) as Chair and [Mark Hill](#) (University of Wisconsin-Madison) as Vice Chair. The members of the Council are appointed by CRA in consultation with NSF, with staggered three-year terms. In the aggregate, the Council must reflect the full breadth of the computing research community – research area, institutional character, geographic diversity, etc. A full-time director, [Ann Drobniš](#), staffs the CCC.

**The CCC's Nominating Subcommittee invites nominations (including self-nominations) for members to serve on the CCC Council for the next three years, beginning July 1, 2017.**

Please send nominations, together with the information below, to [ccc-nominations@cra.org](mailto:ccc-nominations@cra.org) by **11:59pm PST on Friday, February 3, 2017**. The subcommittee's recommendations



2015-2016 CCC Council

will serve as input to CRA and NSF, who will make the final selection. Please include:

- ▶ Name, affiliation, and email address of the nominee.
- ▶ Areas of research expertise.
- ▶ Previous significant service to the research community and other relevant experience, with years it occurred (no more than \*five\* items).
- ▶ A brief biography or curriculum vitae of the nominee.
- ▶ The names and contact information (email and phone) for 2-3 people who would be knowledgeable about the nominee's potential for such a service role.
- ▶ A statement from the nominee of less than one page, supporting his or her nomination by describing his or her

ideas for, and commitment to, advancing the work of the CCC in encouraging new research directions, engaging broader communities, and finding wider funding sources.

Please note that in order to represent the community and provide it with a breath of different knowledge, the CCC avoids multiple Council members from the same institution (with rare exceptions, e.g., somebody moved). This year we are particularly interested in researchers in big data, privacy, the Internet of Things, Social Computing, Artificial Intelligence, Security, and Machine Learning.

If you have any questions, please direct them to the CCC Director, Ann Drobnić ([adrobnis@cra.org](mailto:adrobnis@cra.org)).

# Get Involved with CRA-Women Activities



**CRA-W**

Computing Research  
 Association  
 Women

The mission of the CRA Committee on the Status of Women in Computing Research (CRA-W) is to increase the success and participation of women in computing research and education at all levels. There are several ways you can get involved such as mentoring students, submitting proposals, and sharing these opportunities with your colleagues and students.



## Nominations Open for Borg Early Career Award

CRA-Women invites nominations for the [Borg Early Career Award](#) (BECA). The award honors the late Anita Borg, who was an early member of CRA-W and an inspiration for her commitment in increasing the participation of women in computing research.

This annual award is given to an individual who has:

- ▶ made significant research contributions,
- ▶ had positive and significant impact on advancing women and diversity in the computing research community,
- ▶ is relatively early-career (at-most 8 years post-PhD) faculty member or researcher in an industry or government lab, and
- ▶ is affiliated with an institution, industry lab, or government lab in the United States, its territories, or Canada.

The deadline for nominations is February 15, 2017.

## Distributed Research Experiences for Undergraduates (DREU)

Are you a faculty member interested in being a research mentor or do you know students interested in exploring research? The DREU program matches students with faculty mentors for summer research experiences at the faculty mentor's home institution. Applications are currently open for both students and mentors. [The application deadline is February 15, 2017.](#)

## Scholarships for Women Studying Information Security (SWSIS)

The SWSIS program provides scholarships of up to \$10,000 for women studying for bachelor's and master's degrees in information security fields. The program is a partnership of [Applied Computer Security Associates \(ACSA\)](#) and CRA-W, with sponsorship from ACSA and the [Hewlett-Packard Enterprise](#) to provide assistance to women at the formative stages of their careers. [The application deadline is February 1, 2017.](#)

## Distinguished Lecture Series

The CRA-W Distinguished Lecture Series brings prominent faculty and industry researchers to campuses across the U.S. The purpose of these visits is to provide inspiring role models that will encourage students to pursue research in computer science and engineering. At these events, students will have the opportunity to discuss the graduate school process and receive mentoring from leading researchers. [Submit a proposal today!](#)

## Travel Support for Women in Research Labs

Do you know a researcher in industry or a government lab interested in attending a conference but having difficulty finding the funding? CRA-W provides partial or full support for travel expenses to conferences or workshops in the applicant's area of research. Travel to CS-related summer schools for the purpose of learning technical material is also covered. Up to \$2,000, or \$3,000 for international conferences, is available per trip. [Click here for more information and application instructions.](#)

# 2017 Outstanding Undergraduate Researcher Award Winners



**CRA-E**  
Computing Research  
Association  
Education

This year's nominees are a very impressive group. A number of them were commended for making significant contributions to more than one research project, several are authors or coauthors on multiple papers, others have made presentations at major conferences, and some have produced software artifacts that were in widespread use.

Many of the nominees had been involved in successful summer research or internship programs, many had been teaching assistants, tutors, or mentors, and a number had significant involvement in community volunteer efforts.

CRA gratefully acknowledges the support of [Microsoft Research](#) and [Mitsubishi Electric Research Labs](#), which sponsor the Outstanding Undergraduate Researcher Award program in alternate years. Microsoft Research is the sponsor of this year's awards.

A list of the winners, runners-up, finalists, and honorable mentions is below.

**Selection Committee:** Eric Aaron, Chair (Vassar College), Michela Becchi (University of Missouri), Rajiv Gandhi (Rutgers University-Camden), Dan Grossman (University of Washington), Sorelle Friedler (Haverford College), Walter Lasecki (University of Michigan), and Christina Nita-Rotaru (Northeastern University)

Thank you to those who volunteered their time to serve on the selection committee for this award.

## Awardees



### **Khurram Jafery**

*University of British Columbia*

Khurram Jafery is a senior in the combined computer science and mathematics honors program at the University of British Columbia. His research interests are in the area of type systems for programming languages, and he is focusing on extending the applicability of gradual typing, which combines static and dynamic typing within a single language.

Jafery has also served as a reviewer for the 2016 ACM SIGPLAN International Conference on Functional Programming.



### **Smitha Milli**

*University of California, Berkeley*

Smitha Milli is a senior electrical engineering and computer science major at the University of California, Berkeley. Milli's research areas include human-compatible AI, computational cognitive science, and natural language processing (NLP), with applications such as NLP of literature, bounded-optimal metareasoning, and AI safety. Milli has also been a teaching assistant for several CS courses, and she has assisted with the establishment of a Center for Human-Compatible AI at Berkeley.



### **Hoon Oh**

*Rutgers University-Camden*

Hoon Oh is a senior computer science major at Rutgers University-Camden. His research focuses on algorithm design and analysis, with applications to problems such as radio aggregation scheduling, capacitated broadcast scheduling, and the stable matching problem with couples. Oh has also been a teaching assistant at Rutgers-Camden and a guest lecturer at the Program in Algorithmic and Computational Thinking, a pre-college summer program in which he was previously a student.



### **Jane Wu**

*Harvey Mudd College*

Jane Wu is a junior computer science and mathematics major at Harvey Mudd College. Her recent research is in the area of human-robot trust, applying game theory to explore how people's perception of interacting with robots, rather than with other people, influences trust and cooperation. Wu is also a former co-president of the Combat Robotics Club at Harvey Mudd, and she is a co-chair of her local chapter of the ACM Committee on Women in Computing.

## Runners-up



### Siddhartha Jayanti

*Princeton University*

Siddhartha Jayanti is a senior computer science major at Princeton University. In his research, he focuses on concurrent algorithms for the disjoint set union problem, designing and analyzing algorithms that can exploit multiprocessor settings for more efficient solutions. Jayanti has also been the outreach chair for the Princeton Math Club, and he is a singer for a campus group that performs and promotes Indian classical music.



### Jamie Lesser

*Williams College*

Jamie Lesser is a senior majoring in computer science and mathematics at Williams College. Her research interests span computer graphics and applied mathematics, and her ongoing research work focuses on Monte Carlo integration, including variable-precision optimization and methods for handling functions of different variance. Lesser has also developed an open-source 3D graphics engine, and she served as the posters chair for the ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games in 2015.



### Jingyi Li

*University of California, Berkeley*

Jingyi Li is a senior electrical engineering and computer science major at the University of California, Berkeley. With research interests in areas of user interfaces, design, and human-computer interaction, Jingyi's work ranges from digital fabrication systems to interactive virtual agents. Li is also the president of the largest design club at UC Berkeley, Berkeley Innovation, and an experienced teaching assistant for courses such as Advanced Graphics and User Interface Design & Development.



### Keyi Zhang

*Bucknell University*

Keyi Zhang is a senior computer science and engineering major at Bucknell University. His research focuses on sensor networks and the Internet of Things, with work in areas such as distributed databases on low-powered network nodes and natural language search for sensor networks. Zhang has also been a teaching assistant for computer science at Bucknell, and he is an active member of his local ACM chapter.

## Finalists

Terra Blevins, Columbia University  
 Vinyas Harish, Queen's University  
 Peter Kraft, Harvard University  
 Ashvin Nair, University of California, Berkeley  
 Alex Ozdemir, Harvey Mudd College  
 Alexandra Porter, Arizona State University  
 Lillian Tsai, Harvard University  
 Yisu Remy Wang, Tufts University  
 Julia Woodward, University of Florida

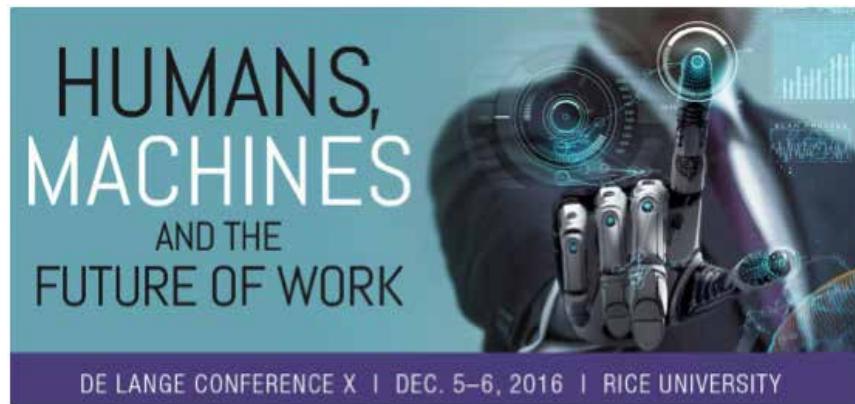
## Honorable Mentions

Alyxander Burns, Mount Holyoke College  
 June Chen-William, Marsh Rice University  
 Christina Chung, University of Toronto  
 Jessica Fan, Dartmouth College  
 Rolando Garcia, Arizona State University  
 Xinyang (Young) Geng, University of California, Berkeley  
 Louis Jenkins, Bloomsburg University  
 Ruoxin (Amy) Jiang, Columbia University  
 Laurynas Kalesinskas, Loyola University Chicago  
 Graham Lustiger, Harvard University

Christopher Mackie, University of Washington  
 Kalina Petrova, Princeton University  
 Xi Bei She, University of British Columbia  
 Jessica Shi, Princeton University  
 Ross Vasko, The Ohio State University  
 Prayaag Venkat, University of Maryland  
 Ashton Webster, University of Maryland  
 Nathaniel Yazdani, University of Washington  
 Jun Ho Yoon, Columbia University  
 Sarah Yu, University of Washington

# De Lange Conference on Humans, Machines, and the Future of Work

By Andrew Bernat, CRA Executive Director



CRA recently was a sponsor and participated in the [De Lange Conference on Humans, Machines, and the Future of Work](#), which focused on the impact of the amazing technologies being developed by the computing research community on the nature of work and employment. The conference was held at Rice University with primary funding from the De Lange Conference Fund at Rice, which brings top experts and major figures to its campus in order to focus on a topic of great concern to society.

It is clear that our technologies are having major impact, but it is much less clear is exactly what this impact will be. Rather than hosting a retrospective conference at some point in the future, the idea was to begin to get a handle on the anticipated impact now.

*Communications of the ACM* published an excellent summary of the conference:

"While the technologists participating in the [De Lange Conference on Humans, Machines, and the Future of Work](#) at Rice University in Houston last week were bullish on the societal benefits of robotics and artificial intelligence (AI), speakers with backgrounds in economics and the humanities suggested we need to make the right choices to integrate these technologies into the world of work without devaluing the role of people."

Rice president David W. Leebron underscored the increasing importance of education, and continuing education, to keep up with technology trends, in the labor markets, observing that of 11.6 million jobs added to the U.S. workforce since the economic rebound in 2010, "99% went to the educated."

In the context of the major question underlying the conference, Leebron wondered, "what will we do in a world in which machines make machines ... what will humans do in that world?"

Conference organizer and chair Moshe Vardi, Karen Ostrum George Distinguished Serve Professor of Computational Engineering, professor of computer science and director of the Ken Kennedy Institute for Information Technology at Rice (as well as editor-in-chief of CACM), said the issue to consider is not that manufacturing has fled the U.S., but that jobs have been lost as manufacturing has become increasingly automated. Rather than simply allowing this to happen, he said, "the future of work deserves a broad conversation," and should be an issue of public policy, as well as an academic topic."

Click [here](#) to read the full article. Videos of the event have been posted [here](#).

# Analysis of Current and Future Computer Science Needs via Advertised Faculty Searches for 2017

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

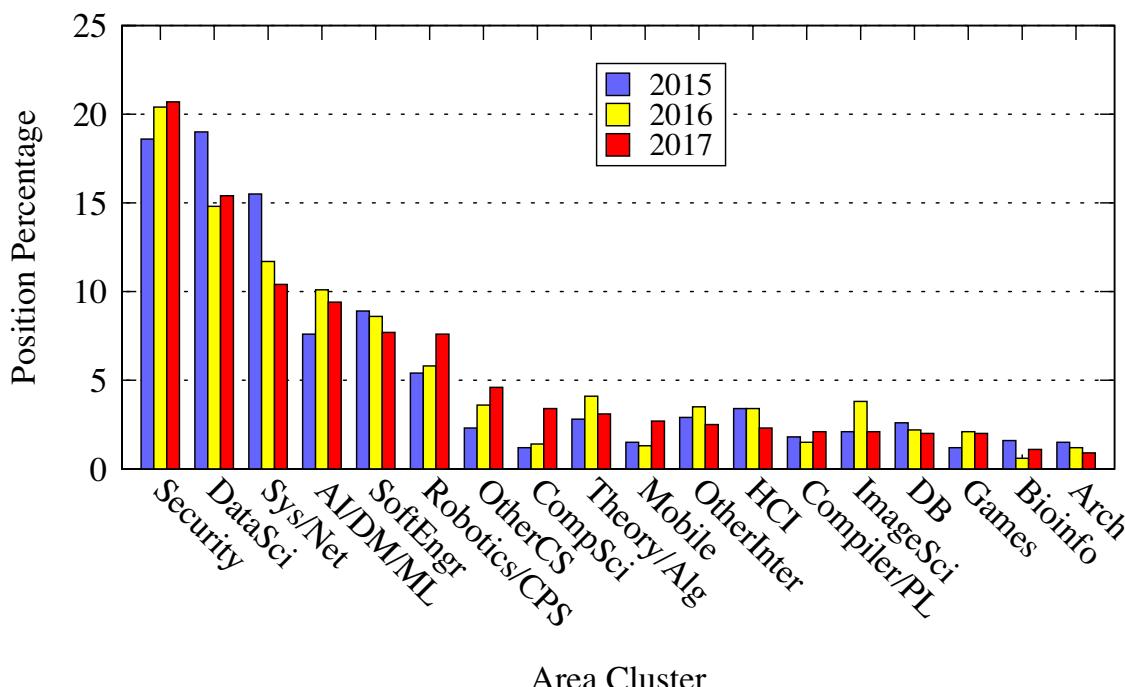
The wealth of faculty searches in Computer Science during this hiring season for positions starting in 2017 again affords the opportunity to study areas of Computer Science where departments are choosing to invest in new faculty hires. While the number and areas for faculty searches does not necessarily translate into the same for faculty hires, we believe that they provide insight into current and future needs within the discipline.

We analyzed ads from 347 institutions seeking to fill hundreds of tenure-track faculty positions in Computer Science. There is a 30% one-year (and 56% two-year) increase in the number of institutions searching for tenure-track faculty in Computer Science and a 35% one-year (and 71% two-year) increase in the number of positions being searched for. The number of institutions searching and positions seeking to be filled has increased even more for non-PhD-granting institutions.

As shown in the accompanying graph on percentage of positions in each area over the past three years, we found that the area clusters of Security (21%), Data Science (15%) and Systems/Networking (10%) continue to be the areas of greatest investment. We again found that 30-60% of all hires are for areas that are, or may be, interdisciplinary in nature.

Differences are also seen when analyzing results based on the type of institution. Positions related to Security have the highest percentages for top-100 PhD, MS and BS institutions. Data Science is of most interest for other PhD institutions. Finally, the abundance of potentially interdisciplinary areas is most pronounced for PhD institutions with 35-70% of all positions devoted to these areas.

The full report containing a description of the methodology and the complete results is available at <http://www.cs.wpi.edu/~cew/papers/CSareas17.pdf>.



# Expanding the Pipeline: CRA-W Continues Research Mentoring at the 2016 Grace Hopper Celebration of Women in Computing

By Andrea Danyluk and Tracy Camp

The 2016 Grace Hopper Celebration of Women in Computing (GHC) was held October 19-21, 2016, at the George R. Brown Convention Center in Houston, Texas and broke last year's attendance record with over 15,000 participants this year. For the 8th year in a row, CRA-W presented career mentoring content for GHC attendees interested in research. CRA-W Board Member Tracy Camp (Colorado School of Mines) designed this year's program, organizing the mentoring program into three tracks for early-career academic researchers, graduate students, and undergraduates. Brand new for 2016 was the CRA-W GHC Undergraduate Research Scholars Program, spearheaded by CRA-W Co-Chair Nancy

Amato (Texas A&M University) and CRA-W Board Member Andrea Danyluk (Williams College), which provided funding for undergraduates to attend the conference, and guidance for finding and navigating the research content at GHC.

CRA-W's mentoring tracks for early-career researchers and graduate students kicked off on Wednesday, October 19 with "Want to be a Bias Interruptor?" – an active session that discussed unconscious biases that exist in academic computing departments, techniques for becoming a "bias interruptor," and included time to practice the skills learned. This session was a collaboration of CRA-W, ACM-W, and NCWIT, and was organized by Valerie Barr (Union College and ACM-W), Tracy Camp (Colorado School of Mines and CRA-W), and Lucy Sanders (NCWIT). The featured speakers were Latanya Sweeney (Harvard University) and Brad McLain (NCWIT).

CRA-W's mentoring program on Thursday, October 20, focused primarily on early-career faculty, with talks on (1) Effective Teaching Tactics, presented by Valerie Barr (Union College) and Susan Rodger (Duke University), (2) Research/Funding Strategies for Faculty, by Andrea Danyluk (Williams College) and Deb Agarwal (Lawrence Berkeley Labs), (3) Preparing for Tenure and Promotion, presented by Julia Hirschberg (Columbia University) and Jodi Tims (Baldwin Wallace University), as well as (4) Gaining Recognition for



Sandra Corbett (left) and Erik Russell (right) staff the CRA-W booth at Grace Hopper 2016.



Your Accomplishments in Academia, by Nancy Amato (Texas A&M University) and Ellen Walker (Hiram College). This track – essentially a workshop within the conference – was extremely popular, with many participants attending multiple presentations.

The sessions on Friday, October 21, focused on students at all levels. CRA-W staffed ten tables in the Student Opportunity Lab (SOL) on six different topics: (1) How to Be Successful Post-Bachelor's, (2) Is Graduate School for You?, (3) Masters or Ph.D.?, (4) How to Successfully Apply to Graduate School, (5) What is Computing Research? How Can Undergraduates Participate?, and (6) Research Careers: What Are The Options? How Do I Get There? The SOL was in a large convention center room, and had many tables with 1-2 mentors at each table leading discussions on different topics. Short 20-minute sessions allowed small groups of students to have interactive discussions with mentors at several different tables over the 3-hour SOL session. The CRA-W tables, which were primarily designed for undergraduates in the past, included plenty of content for graduate students as well as those contemplating going back to school. CRA-W Board Member Andrea Danyluk recruited 40 fabulous mentors, who generously volunteered their time to talk with students, answer questions, and provide advice.

For students looking for a larger group mentoring experience, CRA-W presented three talks on Friday, October 21, focused on building student success: (1) Building Your Academic Professional Network, presented by Sunita Chandrasekaran (University of Delaware) and Soha Hassoun (Tufts University), (2) The Graduate School Experience, presented by Laura Dillon (Michigan State University) and Katie Siek (Indiana University Bloomington), and (3) Finding Your Dream Job with a Ph.D., by Dilma Da Silva (Texas A&M University) and Rita Wouhaybi (Intel Labs).

This year CRA-W, with generous funding from the National Science Foundation, introduced an exciting new scholarship program for undergraduates with strong

interest in computing research. The CRA-W GHC Research Scholars Program provided registration and travel funding for 65 students representing 53 different institutions to attend GHC for small group mentoring, interaction with other research-interested students, and participation in research-focused events. A “passport” provided Research Scholars with a roadmap for navigating research content at the conference. This roadmap included the ACM Student Research Competition, technical talks, CRA-W tables at the Student Opportunity Lab, CRA-W presentations and the student poster session, where several posters were presented by participants in the CRA-W Distributed Research Experience for Undergraduates (DREU) and Collaborative Research Experience for Undergraduates programs. Two special events – a networking reception for Research Scholars and CRA-W mentors, as well as a breakfast on the final day of the conference – served as book ends to the program. At these events, students met each other and later shared what they had learned.



Details on the GHC 2016 version of the CRA-W workshops are available here: <http://cra.org/cra-w/career-mentoring-workshops-at-grace-hopper/>. CRA-W partners with the Anita Borg Institute in order to offer career advice to hundreds of GHC attendees, as well as to ensure they are aware of the other programs that CRA-W offers. CRA-W's GHC 2016 programs would not have been possible without the

additional support of 40 mentor volunteers, many of whom were current or former CRA-W board members.

Energetic CRA staff members (Erik Russell, Melissa Borts, and Sandra Corbett) and several CRA-W board members ensured that the CRA-W booth at GHC 2016 was always fully staffed. The booth was busier than ever before, with staff answering questions and getting the word out about CRA-W's programs.

And speaking of CRA-W programs, don't miss these upcoming deadlines:

- ▶ Distributed Research Experience for Undergraduates for undergraduates from underrepresented groups: [Applications](#) due February 15, 2017.
- ▶ Borg Early Career Award: [Nominations](#) due February 15, 2017.

#### About the authors:

Andrea Danyluk is the Dennis A. Meenan '54 Third Century Professor of Computer Science at Williams College. Her research is in Machine Learning, and she is also active in

computer science education, having co-authored a Java textbook, among other projects. She is passionate about broadening participation in computing and is a member of CRA-W. For many years she co-directed the Collaborative Research Experience for Undergraduates program. She now coordinates mentoring events and workshops for undergraduates.

Tracy Camp is the Division Director and Professor of Computer Science in the Division of Computer Science at the Colorado School of Mines. Her current research interests include the credibility of ad hoc network simulation studies and the use of wireless sensor networks in geosystems. After three exhilarating years serving as Co-Chair of CRA-W, she now leads the organization of CRA-W content at the Grace Hopper Celebration.

# Microsoft Researchers on What to Expect in 2017 and 2027

The following is a guest blog post from CCC Executive Council Member Ben Zorn, a principal researcher and co-manager of the *Research in Software Engineering* group at Microsoft Research in Redmond, Washington.



**CCC**

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In 2006 Jeannette Wing made the case that computational thinking was a skill set that everyone, not just computer scientists, would benefit from learning and employing. In December, we observed Computer Science Education Week to celebrate the shared lingua franca of computational thinking that brings together the great diversity of individuals from around the world with a common purpose.

On the Microsoft Blog, 17 outstanding researchers from all parts of computer science share their vision of how computational thinking will transform our world in the next year and the next decade. Computer technology has delivered capabilities and benefits that were unimaginable 20 years ago – read about the deep insights these researchers have on how it will transform our world in the next 10 years.

**See a few of them, including Computing Research Association (CRA) Board Member, Kathryn S. McKinley, below:**

**Xiaoyan Sun, lead researcher, Asia research lab**

*Follow her on Twitter*

*What will be the key advance in computer vision in 2017?*

The key advance in 2017 will be the continued rapid progress in computer vision based on deep learning methods. This will be evident in highly accurate object recognition technologies that approach human ability, lightweight portable vision systems and wide adoption of vision platforms.

*What will be the key advance or topic of discussion in computer vision in 2027?*

By 2027 the ability for computers to “see” will be ubiquitous as we will have highly developed imaging devices, powerful computing resources and combined deep and wide learning

techniques. Advances in these techniques will lead to ubiquitous vision “eyes” that can “see” and empower humans in daily life and all kinds of professions, from manufacturing and health care to finance and security.

**Oriana Riva, researcher, Redmond, MSR NExT**

*What will be the key advance in mobile computing in 2017?*

In 2017, systems will increasingly re-architect themselves to support interactions without a graphical user interface. We'll see fewer users installing apps on their devices and more apps turning into behind-the-scenes services for chatbots and personal digital assistants.

*What will be the key advance or topic of discussion in mobile computing in 2027?*

The key advance in mobile computing by 2027 will be a significantly expanded relationship with the digital world, encompassing almost any “thing” that exists in our surroundings. We'll engage with intelligent and personal systems that truly understand us, that we can trust and that know us well enough to anticipate and serve our needs.

**Kathryn S. McKinley, principal researcher, Redmond research lab**

*Follow her on Twitter*

*What will be the key advance in programming languages and software engineering in 2017?*

In programming languages research, the most revolutionary change on the horizon is probabilistic programming, in which developers produce models that estimate the real world and explicitly reason about uncertainty in data and computations. The programming language community is continuing to build the foundations of this new software world and some exciting new applications will emerge by the end of 2017.

*What will be the key advance or topic of discussion in programming languages and software engineering in 2027?*

By 2027, the majority of software engineers will be facile in programming systems that reason about estimates and produce models with statistical methods. This sea change will deliver applications that seamlessly integrate sensors,

machine learning and approximation to interact with human beings in entirely new, meaningful and correct ways.

Read more and see all 17 outstanding researchers [here](#).



# Arch2030: A Vision of Computer Architecture Research over the Next 15 Years

The following blog post is by CCC Vice Chair and University of Wisconsin-Madison Professor Mark D. Hill who is co-author of the report.



In June 2016, I blogged about the successful Architecture 2030 Visioning Workshop, organized by Luis Ceze of the University of Washington and Thomas Wenisch of the University of Michigan, and partially sponsored by the Computing Community Consortium (CCC) in conjunction with ISCA'16 in Seoul, South Korea.

Recently CCC released the final report *Arch2030: A Vision of Computer Architecture Research over the Next 15 Years* with the endorsement of more forty research leaders in the field.

Key findings are below. Progress on these is necessary to provide the cost-performance improvements that information technology creators and beneficiaries have come to depend on.

► ***The Specialization Gap: Democratizing Hardware Design:*** Developing hardware must become as easy, inexpensive, and agile as developing software to continue the virtuous history of computer industry innovation.

- ***The Cloud as an Abstraction for Architecture Innovation:*** By leveraging scale and virtualization, Cloud computing providers can offer hardware innovations transparently and at low cost to even the smallest of their customers.
- ***Going Vertical:*** 3D integration provides a new dimension of scalability.
- ***Architectures “Closer to Physics”:*** The end of classical scaling invites more radical changes to the computing substrate.
- ***Machine Learning as a Key Workload:*** Machine Learning is changing the way we implement applications. Hardware advancement makes machine learning over big data possible.

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

It is going to be a fun journey!

# Difficulties with Coursework Make Students Consider Leaving Computing; Job Prospects and Support from Friends and Family Help Students Stay

By Burçin Tamer, CERP Research Scientist

## Why did you consider leaving computing?

engineering  
career interested  
programming  
much difficult  
work hard math  
class life  
**classes**  
courses like coding  
felt like sure  
really feel time want  
wanted field just  
interest lot  
enough

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

get courses  
really already  
enjoy like also want  
field job still  
just degree can  
majors friends  
**classes**  
good program

In CERP's 2015 Data Buddies survey, computing majors were asked whether they had thought about changing to a non-computing major during the past year. Thirteen percent of students who responded to this question said that they had. The word clouds here were created using students' comments about the reasons they considered leaving computing and factors that helped them stay. Some of the most frequently encountered words in students' reasons for considering leaving computing were "classes", "hard", "difficult", "work", and "time". On the other hand, students' responses regarding the factors that helped them stay in computing contained words such as "job", "degree", and "friends".

We also looked at words associated (correlated) with these two sets of words to give us context for frequently cited words. When talking about thoughts about leaving, students were particularly likely to associate "weed-out" with "classes". They were also likely to use words such as "pretty" and "extremely" alongside "hard" and "difficult", which sheds light on computing students' experiences in the major. When talking about staying in their major, students cited words such as "prospect", "security", "stable", and "necessary" along with the top two most commonly used words: "job" and "degree". For instance, one student said: "[I thought about changing to a non-computing major because of] the difficulty of computing. [But I stayed for] the security of the job market." Yet another student noted: "The competitive culture [in my computing major] is overwhelming. [But] the salary [that] hopefully awaits me [helped me stay]." Furthermore, students used the words "friends", "family", and "support" in association with each other, suggesting that friends and family support played a role in students' decision/ability to stay in their computing major. As a case in point, one student noted: "The material is hard to learn! I had to drop one of my core classes and must take it again. But with some support from friends, academic advisors, more interesting classes, and a more focused field in the major I have decided to continue."

Notes. There were 9,721 undergraduate students who responded to CERP's survey in 2015. Students who indicated that they were in a computing major were asked, "Over the past year, have you seriously considered changing to a non-computing major?" A total of 1,049 students (13% of the 7,952 students who responded to this question) said they had considered changing to a non-computing major. These 1,049 students were asked two open-ended questions to comment on the reasons for considering changing to a non-computing major and the factors that helped them stay. A total of 1,013 entered a text response to at least one of these questions. The free text responses students entered were then corrected for major spelling errors and stripped of "stop words" such as "a", "the", and "is". Word clouds were generated to reflect most commonly used words with a minimum frequency of 40.



# CERP

Computing Research Association  
Evaluation

This infographic is brought to you by the CRA's Center for Evaluating the Research Pipeline (CERP). CERP provides social science research and comparative evaluation for the computing community. To learn more about CERP visit our website at <http://cra.org/cerp/>.

# Research Highlight: CRA Board Member Brent Hailpern

By Brent Hailpern, IBM Research



My research involves understanding and facilitating the life cycle of cognitive software, which is substantially different than the life cycle of conventional software. This difference has profound implications for the methodology and tools required to build such software. Cognitive software possesses at least one “cognitive” or “intelligent” component, such as a component implemented using machine learning, neural networks, or rules. Multiple cognitive components will often be involved in a cognitive application or service, but even just one component is enough to impart special and challenging complications.

Three primary characteristics distinguish cognitive components from conventional software components:

1) *They depend on data as well as code.* The data sets used to train machine learning components – the models produced during training and the rules that drive rule-based components – embody much of the semantics of the components. Acquisition, curation, versioning, and other operations on the data have an essential place in the life cycle.

2) *Their traditional semantics are unpredictable; they work “right” even if their answer is “wrong.”* Developers can, in principle, understand exactly what conventional code does, and the process of producing code that meets requirements is essentially a *design* process. This code can be tested and even verified, assuming appropriate formal specification exists. What exactly a trained model or complex rule set will do is much less predictable, and the process of evolution to meet requirements is largely *experimental*. Even the best training procedures may produce models that are accurate only a certain percent of the time, or accurate for some types of input data but not others. Furthermore, the algorithms used for training models are often non-deterministic, which adds another layer of non-reproducibility related complexity for programmers to manage.

3) *Software developers usually do not have the skills needed to debug cognitive software.* All developers know how to debug code and have sophisticated debugging tools. But how do you “debug” a machine-learning component that is delivering disappointing results? Is your training set insufficient? Are you using the wrong modelling algorithm? Or using the wrong parameters to the right algorithm? This level of diagnosis currently takes machine-learning experts, and even for them, it involves considerable experimentation.

These key differences have a profound effect on the software engineering methodology and on the tools and development environments that support traditional DevOps. Tools supporting big data management and manipulation (beyond simple editing and file versioning) and experimental processes have never been part of the design or implementation of conventional software development environments. Similarly, existing development environments were never designed to handle versioning of big data sets. Ethnographic studies of software developers in a machine-learning context indicate that they perform a great deal of manual work and recordkeeping far beyond what is normal for a traditional developer. This work is both tedious and error prone. The developers also frequently consult machine-learning experts, which is a development bottleneck, since these experts are a scarce resource.

At IBM Research, I am working with colleagues to create a comprehensive software development environment providing end-to-end support for the cognitive software development life cycle.

## About the author

Brent Hailpern received a Ph.D. degree in computer science from Stanford University in 1980. His thesis was entitled “Verifying Concurrent Processes Using Temporal Logic.” Hailpern joined IBM’s Thomas J. Watson Research Center as a research staff member in 1980, where he worked on and managed various projects relating to issues of concurrency and programming languages. From 1999 to 2004, he was the associate director of computer science for IBM Research.

From 2004 to 2011, he managed departments at Watson Research covering programming languages, software engineering, and human-computer interaction where he was the director of programming models and tools, with a worldwide responsibility for IBM Research's strategy and research agenda in software technology. From 2011 to 2013, he was the director of the computer science department, [IBM Research - Almaden](#). In 2014, he became a distinguished research staff member, head of computer science for IBM Research, and co-lead for the IBM research cognitive platform and tool strategy.

Hailpern is a Fellow of the ACM and the IEEE. He is a past secretary of the ACM, a past member of ACM Council, a past chair of the ACM Special Interest Group on Programming Languages (SIGPLAN). He has chaired or co-chaired several SIGPLAN conferences and was a co-chair of the 2014 CRA Conference at Snowbird. Hailpern is currently a member of the [CRA Board of Directors](#) (2011-present) and the NSF Directorate for Computer and Information Science and Engineering (CISE) [Advisory Committee](#) (2012-present).

This article is the first in a series highlighting the research of CRA board members.

# Announcements

## Taulbee Announcement

Reminder: The main section of the Taulbee Survey (student and faculty numbers) is due January 18.

### 2016 AAAS Fellows



The American Association for the Advancement of Science (AAAS) has announced its **2016 Elected Fellows**. Both former CRA Board Treasurer Phillip Bernstein (Microsoft Research) and current CRA Board Member Josep Torrellas (University of Illinois at Urbana-Champaign) were elected Fellows.

From the AAAS Fellows website:

"AAAS proudly congratulates the newly elected 2016 Fellows! In October 2016, the AAAS Council elected 391 members as Fellows of AAAS. Election as a Fellow honors members whose efforts on behalf of the advancement of science or its applications in service to society have distinguished them among their peers and colleagues."

Congratulations to all those elected Fellows.

### 2016 Class of ACM Fellows



Recently, the ACM named 53 of its members as **ACM Fellows** for major contributions in areas including artificial intelligence, cryptography, computer architecture, high performance computing, and programming languages.

From the ACM press release:

"As nearly 100,000 computing professionals are members of our association, to be selected to join the top one percent is truly an honor," explains ACM President Vicki L. Hanson.

"Fellows are chosen by their peers and hail from leading universities, corporations, and research labs throughout the world. Their inspiration, insights, and dedication bring immeasurable benefits that improve lives and help drive the global economy."

Several CRA participants were named Fellows:

- Carla Brodley (CRA-W emeritus member)  
Northeastern University  
*For applications of machine learning and for increasing participation of women in computer science.*

- Shwetak Patel (CCC Council member)  
University of Washington  
*For contributions to sustainability sensing, low-power wireless sensing and mobile health.*
- Holly Rushmeier (CRA-W board and CCC Council member)  
Yale University  
*For work on global illumination, material capture and display of high-dynamic-range images.*
- Valerie E. Taylor (CRA and CRA-W former board member)  
Texas A&M University  
*For leadership in broadening participation in computing.*
- Manuela Veloso (CRA-W former board member)  
Carnegie Mellon University  
*For contributions to the field of artificial intelligence, in particular in planning, learning, multi-agent systems, and robotics.*



Congratulations to all the 2016 Fellows.

[Click here](#) for the full list.

## Announcements, continued

### CRA-E Graduate Fellows Program Accepting Applications



The Computing Research Association Education Committee (CRA-E) is now accepting applications for the CRA-E Graduate Fellows Program. The program provides opportunities for Ph.D. candidates in computing fields to contribute to CRA-E projects, network with computer science education advocates on the committee, engage in advocacy for mentoring undergraduate students, and promote undergraduate research and education at the national level.

CRA-E plans to appoint up to two graduate fellows per year, who will serve as members of the committee, providing a voice for graduate students. The fellows will attend the annual CRA-E meeting (travel expenses funded by CRA-E), serve on a CRA-E subcommittee related to their interests and

expertise, and contribute to the CRA-E Conquer site, which provides resources for undergraduate research and applying to graduate school.

In 2016, CRA-E selected two Ph.D. students, [Keith Feldman](#) (Notre Dame University) and [Max Grossman](#) (Rice University), to serve as Fellows. Both Fellows have a history of mentoring undergraduates and advising them on pursuing graduate school and research. Click [here](#) to view a profile of Feldman and Grossman.

Faculty members are invited to nominate a graduate student by **January 30, 2017**. More information for students and nominators is available at <http://cra.org/crae/activities/fellows/>.

Please nominate a graduate student and encourage your colleagues to do the same!

### CRA Board Member Named in Women You Should Know List

CRA Board Member Ellen Zegura was named one of the “[10 Women in Networking/Communications That You Should Know](#)” by Networking Networking Women (N2 Women), a discipline-specific community of researchers in the communications and networking research fields. Zegura is a faculty member at Georgia Tech and also a member of the CRA executive committee.



#### From the N2 Women Announcement:

*“Ellen led early work in Internet topology modeling (e.g., the GT-ITM tool) and disruption-tolerant networking (e.g., the first DTN protocol stack, message ferries, and throw-boxes). Ellen was elected an IEEE Fellow in 2011, elected to the CRA Board of Directors in 2011. She was Editor-in-Chief of IEEE/ACM ToN from 2003 to 2005. Ellen is co-creator of Compute for Good at Georgia Tech, a project-based education and research effort that applies computing to help solve societal problems.”*

- Jennifer Rexford, Princeton University

## CRA Board Members

**Sarita Adve**, University of Illinois  
**Nancy Amato**, Texas A&M University  
**Ronald Brachman**, Cornell Tech  
**Tom Conte**, Georgia Tech  
**David Culler**, UC Berkeley  
**Mary Czerwinski**, Microsoft Research  
**Susan Davidson**, University of Pennsylvania  
**Eric de Sturler**, Virginia Tech  
**David Ebert**, Purdue University  
**Joel Emer**, NVIDIA/MIT  
**Stephanie Forrest**, University of New Mexico  
**Michael Franklin**, UC Berkeley  
**Lise Getoor**, UC Santa Cruz  
**Dan Grossman**, University of Washington  
**Gregory Hager**, Johns Hopkins University  
**Brent Hailpern**, IBM Research - Almaden  
**Mary Hall**, University of Utah  
**Susanne Hambrusch**, Purdue University  
**H.V. Jagadish**, University of Michigan  
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**Margaret Martonosi**, Princeton University  
**Kathryn S. McKinley**, Microsoft Research  
**Greg Morrisett**, Cornell University  
**Elizabeth Mynatt**, Georgia Tech  
**Mario Nascimento**, University of Alberta  
**Penny Rheingans**, University of Maryland Baltimore County  
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**Vivek Sarkar**, Rice University  
**Andrew Sears**, Penn State University  
**Margo Seltzer**, Harvard University  
**Shashi Shekhar**, University of Minnesota  
**Josep Torrellas**, University of Illinois at Urbana-Champaign  
**Min Wang**, Visa Research  
**Ellen Zegura**, Georgia Institute of Technology

## CRA Board Officers

**Susan Davidson**, Chair, University of Pennsylvania  
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**Burçin Tamer**, Research Scientist, Center for Evaluating the Research Pipeline  
**Helen Wright**, Senior Program Associate, Computing Community Consortium

## Column Editor

Expanding the Pipeline  
**Patty Lopez**, Intel

# Professional Opportunities

## Allegheny College

### Assistant Professor of Computer Science

The Department of Computer Science at Allegheny College invites applications for a tenure-track position beginning August 2017. All candidates with a demonstrated excellence in the field of computer science are encouraged to apply; individuals who combine computer science with fields such as art, communication arts, and economics are invited. Qualifications for the position include a Ph.D. in computer science or a related field. Review of applications will begin December 1, 2016 and continue until the position is filled.

The teaching load is six courses per academic year, with a laboratory course in computer science counting as one-and-a-half courses. All faculty will participate in both the teaching of college-wide first-year/sophomore seminars that emphasize writing and speaking and the supervision of innovative research projects. Beyond providing evidence of the ability to effectively teach and an interest in advising diverse undergraduates, applicants must demonstrate a commitment to ongoing scholarship in the field of computer science.

The successful candidate will join a vibrant and growing community comprised of innovative teachers, active researchers, and diverse learners. Computer science faculty, students, and alumni have strong connections to top-tier academic institutions and industry-leading corporations. The chosen candidate will receive laboratory space for teaching and research and access to renewable funding for research with students. The selected applicant will join an entrepreneurial institution that supports cutting-edge teaching and values a variety of scholarly deliverables, including software development, community engagement, and paper publication.

Additional details about the Department of Computer Science's students, faculty, staff, facilities, and this position are available at <http://www.cs.allegeny.edu>. Interested candidates should send a letter of application, curriculum vitae, statement of teaching and research interests, applicable transcripts, and arrange to have three letters sent from references to: Gregory M. Kapfhammer, Associate Professor and Chair, care of Pauline Lanzine, [cssearch@allegeny.edu](mailto:cssearch@allegeny.edu).

Located in picturesque northwestern Pennsylvania, Allegheny College is a highly selective private liberal arts college about ninety minutes from Cleveland and less than two hours from Pittsburgh, a city recently described as having a viable path to becoming one of America's leading hubs for technology startups. Allegheny College is an Equal Opportunity Employer, with a strong commitment to diversity, inclusion, and equity. Women, veterans, individuals with disabilities, and members of other underrepresented groups are encouraged to apply. Allegheny College does not discriminate on the basis of race, color, religion, gender, gender identity, gender expression, sexual orientation, age, socioeconomic status, or national origin.

## The Allen Institute for Artificial Intelligence

### Research Scientist

The Allen Institute for Artificial Intelligence (AI2) is a non-profit research institute in Seattle founded by Paul Allen and headed by Professor Oren Etzioni. The core mission of (AI2) is to contribute to humanity through high-impact AI research and engineering. We are actively seeking post docs and Research Scientists at all levels who are passionate about AI and who can help us achieve this core mission by teaming to construct AI systems with reasoning, learning and reading capabilities.

## Position Summary

AI2 currently has projects in the following areas:

- Language and Vision
- Information extraction and semantic parsing
- Question answering
- Language and reasoning
- Machine learning and theory formation
- Semantic search
- Natural language processing
- Diagram understanding
- Visual knowledge extraction and visual reasoning

And more....

AI2 Research Scientists will have a primary focus in one of these specific areas but will also have the opportunity to contribute and engage in a variety of other areas critical to our research and mission. These include opportunities to participate in or lead select R&D projects, work with management to develop the long term vision for knowledge systems R&D, take a leading role in overseeing and implementing software systems supporting AI2's research, author and present scientific papers and presentations for peer-reviewed journals and conferences, and help develop collaborative and strategic relationships with relevant academic, industrial, government, and standards organizations.

## Applicant

Applicants for Research Scientist at AI2 should have a strong foundation (typically PhD level) in one or more of the following areas: natural language processing, machine reading, automatic knowledge base construction, large-scale textual inference and entailment, knowledge representation and reasoning, computer vision and machine learning, or question answering and explanation. We look favorably upon extensive work experience and publishing demonstrating application of your research.

# Professional Opportunities

## Why AI2

In addition to AI2's core mission of being a leader in the field of AI research, we also aim to create a superb team environment and to invest in each team member's personal development. Some highlights are:

- **We are a learning organization** – because everything AI2 does is ground-breaking, we are learning every day. Similarly, through weekly AI2 Academy lectures, a wide variety of world-class AI experts as guest speakers, and our commitment to your personal on-going education, AI2 is a place where you will have opportunities to continue learning right alongside us;
- **We value diversity of thought** – we seek Research Scientists who can bring novel experiences and modes of problem solving to our leading-edge mission. If you are creative and efficient in your approach and insightful in your questioning, AI2 could be a great environment for you;
- **We emphasize a healthy work/life balance** – we believe our team members are happiest and most productive when their work/life balance is optimized. While we value powerful research results which drive our mission forward, we also value dinner with family, weekend time, and vacation time. We offer generous paid vacation and sick leave as well as family leave;
- **We are collaborative and transparent** – we consider ourselves a team, all moving with a common purpose. We are quick to cheer our successes, and even quicker to share and jointly problem solve our failures;
- **We are in Seattle** – and our office is on the water! We have mountains, we have lakes, we have four seasons, we bike to work, we have a vibrant theater scene, we have the defending Super Bowl champions, and we have so much else. We even have kayaks for you to paddle right outside our front door;

- **We are friendly** – chances are you will like every one of the 50+ (and growing!) people who work here. We do!

TO APPLY: <http://grnh.se/lubxanl>

## The Allen Institute for Artificial Intelligence

*Allen AI Young Investigator Program*

**Duration:** 1-3 years

**Start date:** Flexible

**Candidates:** Are within one year of completing their PhD, or already have a PhD

The Allen AI Young Investigator program is a postdoctoral program offering unique benefits. The program will enable you to balance working collaboratively on an AI2 project while pursuing an independent research agenda.

### Benefits

- Dedicated AI2 mentor: Mentorship in research, grant writing, and more
- 50% collaborative work on an AI2 project
- 50% work on your own projects
- Generous travel budget
- AI2 provides support for obtaining a visa through its immigration attorney, and pays the necessary expenses
- Access to AI2's data, AWS infrastructure, and other resources as needed
- No grant writing, teaching, or administrative responsibilities
- \$100K research funding from AI2 after completion (based on proposal)

TO APPLY: <http://grnh.se/u7gv131>

## Amherst College

*Assistant Professor of Computer Science (two positions)*

The Amherst College Department of Computer Science invites applications for two full-time tenure-track positions at the rank of assistant professor, beginning July 1, 2017. Candidates in all areas of computer science are encouraged to apply. Within the

last decade, Amherst College has profoundly transformed its student body in terms of socioeconomic status, ethnicity, race, and nationality. Today, nearly one-quarter of Amherst's students are Pell Grant recipients; 43 percent of our students are domestic students of color; and 10 percent of our students are international students. We seek candidates who will excel at teaching and mentoring students who are broadly diverse with regard to race, ethnicity, socioeconomic status, gender, nationality, sexual orientation, and religion.

The successful candidates must have a Ph.D. in computer science in hand or have fulfilled all requirements for the degree by the start of the appointment. We seek colleagues who are committed to excellence in undergraduate computer science education and in research, who are enthusiastic about teaching courses in a variety of areas, and who are excited about involving undergraduate students in research projects. The teaching responsibility is two courses each semester.

Amherst College is a small, highly selective liberal arts college located in Western Massachusetts, about 1.5 hours drive from Boston and three hours from New York City. The college is part of the Five College Consortium, which supports collaborations with nearby Hampshire, Mount Holyoke, and Smith Colleges, and with the University of Massachusetts. Students and faculty enjoy top-notch computing facilities, including technology-equipped classrooms, multimedia laboratories, and a high-performance computing cluster.

A cover letter, curriculum vitae and three confidential letters of recommendation should be submitted electronically to <https://apply.interfolio.com/36989>. In the cover letter, please briefly describe your current research agenda; what would be attractive to you about teaching at a liberal arts college; and what background, experience,

# Professional Opportunities

or interests are likely to make you a strong teacher of a diverse range of Amherst College students. Applications received by December 1, 2016, will be assured of full consideration. Review of applications will continue until the positions are filled.

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

For questions, contact the department chair, Prof. John Rager, at [jer@cs.amherst.edu](mailto:jer@cs.amherst.edu).

## Antalya International University

*Computer Science / Engineering Faculty at all levels*

Antalya International University (AIU) in Turkey invites applications for multiple faculty positions in all areas of computer engineering and computer science disciplines. Priority will be given to the candidates in areas of software engineering, computer systems, high-performance computing and robotics.

The targeted start date for the positions is February 1, 2017 or earlier. Applications from women, minorities, and non-Turkish citizens are encouraged. The successful candidates will be expected to teach courses in computer engineering/computer science, develop a research program, advise students at the undergraduate and graduate level, and be involved in service to the institute and the profession. The successful applicant must have a Ph.D. degree in computer engineering/computer science or a closely related field, and should have an excellent command of English.

AIU is a newly founded, private institution in Antalya, Turkey. The medium of instruction is English. AIU is an equal opportunity

employer. Salary is very competitive and commensurate to rank, experience and qualifications. Several fringe benefits (relocation package, health insurance, retirement benefits) will apply.

Applicants should submit a cover letter, curriculum vitae, including academic and professional experience, list of publications, statement of teaching philosophy and research interests/objectives, and contact information for at least three references as a single PDF file to [cs\\_recruit@antalya.edu.tr](mailto:cs_recruit@antalya.edu.tr). Short-listed candidates will be informed for interviews.

Review of applications will begin immediately and continue until the positions are filled. For further information about AIU, please visit: [www.antalya.edu.tr](http://www.antalya.edu.tr).

## Arizona State University

### Multi Faculty Positions

The School of Computing, Informatics, and Decision Systems Engineering at Arizona State University (ASU) seeks outstanding applicants that share our commitment to excellence in basic and applied research, education for a diverse student body and leadership in professional service for tenure track/tenured faculty positions. Active searches are being conducted in the following areas however the excellence of the candidate's accomplishments and potential are more important than the specific area:

### Artificial Intelligence and Reasoning

**(Job #11776)** – Areas of interest include: natural language processing, automated reasoning, multi-agent systems, uncertainty in AI and knowledge representation.

**Cybersecurity (Job #11774)** – Areas of interest include: resilience, security, privacy and interoperability in computing and cyber systems.

### Trustworthy IoT and Wearable Systems

**(Job #11792)** – Areas of interest include:

innovative concepts at the nexus of emphasis on Internet-of-Things (IoT) testbeds; design, security issues; crypto algorithms and hardware implementation including wearables; sensor networking; cyber-physical systems; low-power computing and communication and systems.

### Imaging, Graphics and Visualization

**(Job #11775)** – Areas of interest include: scientific and information visualization, computer graphics and virtual reality, 3D modeling, and visual analytics.

Appointments will be made at the rank commensurate with experience and accomplishments starting August 2017. A successful candidate will hold an earned Ph.D. or equivalent in a relevant field and have demonstrated evidence of excellence in research and teaching as appropriate to rank including publication in top-tier journals with societal impact, success in acquiring external funding, adoption of innovative educational practices and a commitment to transdisciplinary collaboration.

Current information regarding these positions and instructions for applying are available at <http://engineering.asu.edu/hiring/>. Review of applications for each search will begin no later than December 10, 2016; if not filled, reviews will occur the 1st and 15th of every month thereafter until the search is closed.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. See ASU's full non-discrimination statement (ACD 401) at <https://www.asu.edu/aad/manuals/acd/acd401.html> and the Title IX statement at <https://www.asu.edu/titleIX/>.

# Professional Opportunities

## Auburn University

### *Multiple Faculty Positions*

CSSE invites applications for multiple tenure-track faculty positions to begin in Fall 2017. Candidates at the Assistant Professor level will be given preference, however outstanding candidates at the Associate and Full Professor levels will also be considered. Those whose research expertise can connect with other disciplines of engineering, science and arts will be given special consideration. While we encourage all qualified candidates to apply, we are especially interested in candidates specializing in artificial intelligence, bioinformatics, cyberinfrastructure, data science & engineering, distributed systems, high performance computing, machine learning, parallel processing, privacy, programming languages, security, and software engineering.

One position is part of the Auburn University Cluster Hires Initiative in Omics & Informatics that cuts across agriculture, engineering, pharmacy, science and veterinary medicine. This position is for a researcher specializing in big data (analytics, learning, mining, visualization etc.) or informatics with the potential to collaborate with researchers from the disciplines represented in the cluster.

CSSE is home to the Auburn Cyber Research Center ([cyber.auburn.edu](http://cyber.auburn.edu)), and is affiliated with the newly established McCrary Institute for Critical Infrastructure Protection and Cyber Systems ([mccrary.auburn.edu](http://mccrary.auburn.edu)). Both offer opportunities for faculty to engage in jointly funded research and development. The Department currently has 17 faculty members and supports strong graduate (M.S. and Ph.D.) and undergraduate programs in computer science, software engineering and wireless engineering. Enrollment for Fall 2016 is 765 undergraduate and 142 graduate students. Faculty research areas include artificial intelligence, computer architecture,

computer science education, database systems, energy-efficient systems, high performance computing, human-computer interaction, internet of things, learning science, machine learning, modeling & simulation, multi-agent systems, networks, security, software engineering, software visualization and wireless engineering. A full advertisement and application instructions may be found at the Department's home page ([www.eng.auburn.edu/csse](http://www.eng.auburn.edu/csse)).

## Bard College at Simon's Rock

### *Regular Full Time Faculty in Computer Science*

Bard College at Simon's Rock invites applications for a full-time faculty member in Computer Science, Systems Track, to begin Fall 2017. Our primary teaching needs are in Operating Systems, Large-Scale Distributed Systems, Hardware Architecture and Organization, Networking, Compilers and Interpreters, Databases, and Security. Experience teaching Introductory and Object-oriented Programming is an asset, as are interests in Mobile Computing, Graphics, and User Interface Design.

Our Computer Science program promotes undergraduate research and free open source software. Students have authored 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. Applicants should have a PhD in Computer Science or professional equivalent, and prior teaching experience.

To apply, submit a cover letter, CV, research statement, teaching statement with evaluations, and three references to either <https://simons-rock.slideroom.com/#/permalink/program/34812> or "<https://www.mathjobs.org/jobs/jobs/9843>" <https://www.mathjobs.org>. Do not submit to both sites.

Application review will begin January 30, 2017 and continue until the position is filled.

Bard College at Simon's Rock is a small, selective liberal arts college for students eager to begin college early currently celebrating its 50th year. Bard Academy, our accelerated high school program, opened in 2015; openness to teaching in this program is desirable.

Simon's Rock seeks to increase the diverse perspectives of its faculty and encourages applications from members of underrepresented groups. This is an affirmative action, equal opportunity position. Employment is contingent on successful completion of a background check. Visit us at [www.simons-rock.edu](http://www.simons-rock.edu).

## Benedictine University

### *Professor of Computer Science*

The College of Science at Benedictine University invites applications for a tenure-track position in Computer Science within the Department of Mathematical and Computational Sciences beginning Fall 2017. Candidates should be committed to excellence in teaching at the undergraduate level in both foundational and advanced computer science courses. Candidates will be expected to involve and mentor students in undergraduate research. The University Mission, Vision, and Commitment statements may be found here: <https://www.ben.edu/center-for-mission-and-identity/identity/>

Additional details about the position as well as application instructions and required qualifications may be found here: <https://academicjobsonline.org/ajo/jobs/7430>

Benedictine University is an Equal Opportunity Employer.

## Boston College

### *Two Full-Time Non Tenure-Track Faculty Positions*

The Department of Computer Science at Boston College invites applications for two

# Professional Opportunities

full-time non tenure-track faculty positions, starting September 2017. The teaching load is three courses per semester, with the possibility of a one course reduction per year for development of new courses. Minimum requirements include a Master's degree in Computer Science or closely related discipline, and a commitment to excellence in teaching at the undergraduate level. An interest in curricular innovation, possibly of a cross-disciplinary nature, and that addresses issues of broader social or scientific impact, would be desirable.

We will begin reviewing applications on October 15, 2016, and will continue considering applications until the positions are filled. Applicants should submit a cover letter, CV, and separate teaching and research statements, to [apply.interfolio.com/38103](https://apply.interfolio.com/38103). They should also arrange for three confidential letters of recommendation that comment on their teaching performance to be uploaded directly.

## Boston College

### Tenure-Track Assistant Professorship

The Department of Computer Science at Boston College invites applications for a tenure-track Assistant Professorship beginning September, 2017. Applicants should have a Ph.D. in Computer Science or related discipline, a research trajectory likely to attract sustained external funding, and a commitment to quality in undergraduate teaching. All research areas will be considered, with a preference for AI / machine learning and systems / networks. An interest in interdisciplinary collaboration on problems of broader scientific or social importance would be desirable. We will begin reviewing applications on October 15, 2016, and will continue considering applications until the position is filled.

Additional information about the department and the position is available at [www.cs.bc.edu](http://www.cs.bc.edu).

Submit applications at [apply.interfolio.com/37623](https://apply.interfolio.com/37623).

Please arrange for three confidential letters of recommendation to be uploaded separately.

## Boston College

### Tenure-Track Assistant Professorship in Computer Science

The Department of Computer Science at Boston College invites applications for a tenure-track Assistant Professorship beginning September, 2017. Applicants should have a Ph.D. in Computer Science or related discipline, a research trajectory likely to attract sustained external funding, and a commitment to quality in undergraduate teaching. All research areas will be considered, with a preference for AI / machine learning and systems / networks. An interest in interdisciplinary collaboration on problems of broader scientific or social importance would be desirable. We will begin reviewing applications on October 15, 2016, and will continue considering applications until the position is filled.

Additional information about the department and the position is available at [www.cs.bc.edu](http://www.cs.bc.edu).

Submit applications at [apply.interfolio.com/37623](https://apply.interfolio.com/37623).

Please arrange for three confidential letters of recommendation to be uploaded separately.

## Bowdoin College

### Assistant Professor Tenure Track

Department of Computer Science seeks a tenure-track assistant professor to begin July, 2017. We invite applications from all areas of computer science, including interdisciplinary fields that intersect computer science (such as any of the computational sciences, computational social sciences or digital humanities). We welcome

applications from candidates committed to the instruction and support of a diverse student population. Teaching load is two courses per semester, including introductory, intermediate and advanced courses in the candidate's area of specialization. Ph.D. expected at start of appointment.

Apply at <https://careers.bowdoin.edu>. Review of applications begins January 1st, 2017.

Bowdoin College is committed to equality through Affirmative Action, and is an equal opportunity employer.

## Bowling Green State University

### Shantanu and Reni Narayan Professorship in Computer Science (Associate or Full Professor)

The Department of Computer Science is seeking an associate or full professor with expertise in the area of Software Engineering. Successful candidates shall have a record of exceptional teaching, experience in developing extracurricular experiences (internships, student groups), and ability to lead and mentor new faculty in educational activities. The Narayan Professorship was established to attract and retain distinguished educators and to encourage teaching excellence in the classroom.

Area of specialization is software engineering, including but not limited to: software testing and quality assurance, software architecture and design, usability engineering, and software verification. Applicants must hold a Ph.D. in CS (or closely related field), and be committed to excellence in teaching, scholarly research, and external funding. BGSU offers a small town atmosphere with easy access to Columbus, Detroit, and Ann Arbor. BGSU is an AA/EEO/Vet employer. We encourage applications from women, minorities, veterans, and individuals with disabilities regardless of age, gender identity, genetic information, religion, or sexual orientation. Email a letter of interest,

# Professional Opportunities

along with curriculum vitae, statement of teaching philosophy and research agenda, contact information for three professional references, and selected examples of teaching and scholarly work by Sunday, January 8, 2017 to [cssearch@bgsu.edu](mailto:cssearch@bgsu.edu). We will contact your references. We will select a small number of finalists to come to campus for an interview. An official transcript of the terminal degree and a background check are also required for employment. For details, go to <http://www.bgsu.edu/arts-and-sciences/computer-science.html/jobs>

## Brandeis University

*Assistant Professor in Machine Learning and Data Science (Reviewing from Jan 16, 2017 until filled)*

The Computer Science Department at Brandeis University invites applications for a full-time, tenure-track assistant professor, beginning Fall 2017, in the broad area of Machine Learning and Data Science, including but not limited to deep learning, statistical learning, large scale and cloud-based systems for data science, biologically inspired learning systems, and applications of analytics to real-world problems. Of interest are persons with collaborative potential or experience with other strong areas at Brandeis such as life sciences, international finance, and social policy. Applicants must have a Ph.D. in Computer Science or a closely related field, and must have completed all requirements for the doctoral degree by the start of the position.

Brandeis hosts world-class research in the setting of a small liberal-arts university located only 7 miles from Boston. It is part of the vibrant industrial and research community of the greater Boston/Cambridge area and a member of the Association of American Universities, ranked in the top 35 by US News. The Computer Science department has 12 regular faculty members

who have a teaching load of one course per semester and diverse research interests. Our outstanding undergraduates, currently 50 per year, attain positions across industry as well as elite graduate schools. The department benefits from collaborative opportunities within the University and the greater Boston area. It offers a Ph.D. degree in Computer Science and several Master's degree programs that collectively produce another 60 graduates per year. The department also hosts the Linguistics major, and our Master's program in Computational Linguistics is nationally recognized.

Brandeis University is an equal opportunity employer, committed to building a culturally diverse intellectual community, and strongly encourages applications from women and minorities. Diversity in its student body, staff and faculty is important to Brandeis' primary mission of providing a quality education. The search committee is therefore particularly interested in candidates who, through their creative endeavors, teaching and/or service experiences, will increase Brandeis' reputation for academic excellence and better prepare its students for a pluralistic society.

To apply, please submit a cover letter, a curriculum vitae, a research and a teaching statement, up to three publications, and at least three letters of reference, to AcademicJobsOnline at <https://academicjobsonline.org/ajo/jobs/8683>. First consideration will be given to applications received by January 16, 2017.

## Bridgewater State University

*Assistant Professor of Computer Science, Assistant Professor (2 Positions)*

The Department of Computer Science at Bridgewater State University invites applications for two tenure-track Assistant Professor positions beginning September 2017. The Computer Science Department at Bridgewater State University is a small

close knit department of 7 full time faculty members. The department prepares students for a career or graduate school through high quality instruction in small classes and close collaboration with the students. The goal of our department is to provide our students a firm foundation in computer sciences allowing them to think critically and engage in lifetime learning. The department is in the new Dana Mohler-Faria Center for Science and Mathematics where we work with students in several labs equipped with modern equipment. The Bachelor's of Science in Computer Science at Bridgewater State is ABET accredited. Our department offers both a BS and MS in computer science. Responsibilities include teaching undergraduate and master's level courses, advising undergraduates and supervising graduate students, participating in departmental curriculum development including our ABET accreditation work, as well as engaging in ongoing scholarship and professional activity. Salary is commensurate with qualification and experience.

Please visit BSU's job site at <http://jobs.bridgew.edu> for full position details and to submit an on-line application.

Bridgewater State University (BSU) is an affirmative action/equal opportunity employer which actively seeks to increase the diversity of its workforce. We are dedicated to providing educational, working and living environments that value the diverse backgrounds of all people.

## Brooklyn College (CUNY)

*Professor - Computer Science (Tenure-Track)*

The Department of Computer and Information Science (CIS) at Brooklyn College (CUNY) is seeking a tenure-track Assistant Professor position beginning Fall of 2017. The successful candidate will be required: to teach introductory and advanced undergraduate and/or graduate courses in computer science; to conduct research in

# Professional Opportunities

the field; and to seek grant funding. Review of applications begins November 30, 2016.

To apply, visit [www.brooklyn.cuny.edu/facultyjobs](http://www.brooklyn.cuny.edu/facultyjobs). EEO/AA/Vet/Disability Employer.

For details, please see <https://www.butler.edu/hr/faculty-openings>.

For inquiries and to submit an application, please contact us at [cs-se@butler.edu](mailto:cs-se@butler.edu).

## Butler University

### *Postdoctoral Assistant*

The Computer Science and Software Engineering Department at Butler University seeks a Postdoctoral Teaching Assistant.

## California State University Northridge

### *Assistant Professor*

California State University Northridge, Department of Computer Science invites

applications for two tenure-track Assistant Professor positions. Applicants must have an earned doctoral degree in Computer Science, Software Engineering, Information Technology, or a closely related field. Qualifications: ability to teach a broad range of courses in the areas of computer science and information technology is required and specialization in databases, computer graphics, computer networks, information technology or software engineering is desired. Applicants must demonstrate a commitment to working 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 14, 2016. However the position will remain open until filled.

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



**Butte College**  
*Start Here... Go Anywhere!*

## Support Engineer-California Community Colleges Technology Center (2 Positions)

Department: Planning and Information

### **OVERVIEW**

Under the general direction of, and in coordination with an assigned administrator, troubleshoots and develops technical solutions for the California Community Colleges Technology Center's (CCCTC) software application solution efforts. Positional emphasis will be on the application of technical diagnostic techniques to resolve statewide college-staff reported issues in support of individuals of varying technical expertise. Provides high-quality technical support while delivering solutions to both technical and non-technical users. Investigates current and future technologies to ensure the CCCTC support base leverages the full capabilities of solutions provided.

### **MINIMUM QUALIFICATIONS: EDUCATION AND EXPERIENCE:**

Bachelor's Degree in Computer Science, Electrical Engineering or a related field or the equivalent\*; AND Two (2) years of experience directly related to the duties and responsibilities of this position.(Experience must include scripting and deployment of XML and Perl files.) Graduation from high school, G.E.D. or the equivalent\*\*. \* Bachelor's Degree education equivalency equals two (2) years of increasingly responsible work experience for each full year (24-30 units) of college. (College and experience may be combined, but may not replace, the required Minimum Qualifications.) \*\* High School education equivalency equals an adult education diploma or four (4) years of full-time, paid work experience.

### **CERTIFICATES, LICENSES, REGISTRATION AND OTHER REQUIREMENTS:**

Hold and maintain a valid driver's license throughout duration of employment with the District. Travel is required.

**DESIRED QUALIFICATIONS:** Four (4) years of experience in a technical support position covering information design, information architecture, Web service API use and data transfer via import/export techniques. Experience with SQL databases, particularly PostgreSQL and the development of SQL queries. Experience with XML, XSL, HTML and CSS. Experience with reporting tools, particularly Jasperreports.

The Butte-Glenn Community College District is an Equal Opportunity Employer.

For full position details & to apply, visit: <http://apptrkr.com/905843>

## California State University San Marcos

*2 Assistant Professors - Computer Science*

The Department of Computer Science and Information Systems at California State University San Marcos (CSUSM) invites applications for two tenure-track assistant professors starting Fall 2017.

(1) Data Science or Computer Information Systems

(2) Distributed and Cloud Computing, Mobile Computing, or related fields

For a complete description of the either position, desired specialization and qualifications, please visit <http://www.csusm.edu/facultyopportunities/listings.html>.

# Professional Opportunities

Application submission will be handled electronically via <https://csm.submittable.com/submit>. Please send any questions about the process to [aarmstrong@csusm.edu](mailto:aarmstrong@csusm.edu).

CSUSM has been designated as a Hispanic Serving Institution (HSI) and an Asian American Native American Pacific Islander Serving Institution (AANAPISI).

CSUSM is an Affirmative Action/Equal Opportunity Employer strongly committed to equity and diversity and seeks a broad spectrum of applicants in terms of race, color, religion, ancestry, national origin, sex, sexual orientation, gender identity, gender expression, age, disability and veteran status.

## Carnegie Mellon University in Qatar

### Computer Science Faculty Positions

Carnegie Mellon University in Qatar invites applications for teaching-track positions at any level in the fields of web applications, cyber security, and introductory computer science. Truly exceptional candidates in other areas of Computer Science will also be considered. This is a career-oriented renewable appointment that involves teaching high-achieving international undergraduate students. Candidates must have a Ph.D. in Computer Science or related field, substantial exposure to Western-style education, good leadership skills, an outstanding teaching record, and excellent research accomplishments. Review of applications will continue until January 31, 2017 or until jobs are filled. The position offers a competitive salary and benefits including a foreign service premium, excellent international health care coverage, and allowances for housing, transportation, dependent schooling, and travel.

Further information can be found at <http://csjobs.qatar.cmu.edu>.

## Carnegie Mellon University-Qatar

### *Two Postdoctoral Positions*

Carnegie Mellon University in Qatar invites applications for two postdoctoral positions. These positions are designed for candidates who are interested in enhancing their teaching portfolio, along with their research portfolio, to be better prepared for future academic positions. The positions expect candidates to relocate to Carnegie Mellon's campus in Doha with a start no later than August 1, 2017. Responsibilities include supporting two undergraduate courses per year, holding recitations/office hours and working closely with students. In addition to this teaching load, successful candidates are encouraged to conduct research independently or in collaboration with any CMU-Q faculty of their choice.

We are particularly interested in candidates in the following areas:

- Distributed systems
- Computer networks

Further information can be found at <http://csjobs.qatar.cmu.edu>.

## Case Western Reserve University

### *Computing and Informatics*

Case Western Reserve University's Engineering is seeking faculty candidates in area of Computing and Informatics through its Strategic Hiring Initiative. Candidates should be grounded in an established or emerging area of Computer Science, including, but not limited to, cybersecurity, cloud computing, high performance computing, mobile computing, networks, machine learning, visualization or data science and analytics, and display an aptitude for interdisciplinary and translational teamwork. Desirable candidates will have research programs on the applications of computing in the context of engineering, science, and health.

Over the past five years, the strategic hiring initiative has attracted fourteen outstanding junior and senior candidates who have formed a community, together with the larger university faculties, determined to drive discoveries that improve people's lives. The Case School of Engineering values interdisciplinary thinking, creative collaboration and entrepreneurial ideas. It also believes strongly in the vital importance of diversity within the professorial ranks, both in terms of women and underrepresented minorities.



## Carnegie Mellon University CB

### Tenure-Track Faculty Openings in Computational and Systems Biology

We are embarking on a major expansion in the general area of Systems Biology and have openings for researchers pursuing computational and/or experimental approaches, particularly those working on the generation and/or analysis of high throughput genomics and imaging data. Appointments will be made either entirely in the Computational Biology Department or jointly with other departments depending on the research focus and needs of successful candidates.

For more information, please see <http://bit.ly/2eLmmVu>

# Professional Opportunities

Successful candidates will hold primary appointments in the Case School of Engineering, although in many instances they will be eligible for secondary appointments, for example within the School of Medicine or College of Arts and Sciences.

Candidates seeking positions at the Assistant Professor level and higher should hold an earned doctorate in a field of engineering or related science and demonstrate promise for research and teaching excellence. Those seeking these positions should provide the names and contact information of three references in addition to a cover letter, research and teaching statements and CV. Candidates seeking positions at the Associate Professor level should have established a significant research reputation nationally and possess a record of extramural funding. Candidates seeking positions at the level of full Professor should be recognized internationally for research excellence, leadership and scholarship in their discipline.

We welcome all nominations and applications. Please send application materials to [csesearch@case.edu](mailto:csesearch@case.edu). For additional information, please visit <http://engineering.case.edu/strategichiring/> or contact Dean Jeffrey Duerk at [cseinterest@case.edu](mailto:cseinterest@case.edu).

In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and Diversity. Women, veterans, members of underrepresented minority groups, and individuals with disabilities are encouraged to apply.

Case Western Reserve University provides reasonable accommodations to applicants with disabilities. Applicants desiring a reasonable accommodation for any part of the application and hiring process should contact the Office of Inclusion, Diversity and Equal Opportunity at 216-368-8877. Determinations regarding granting accommodations will be made on a case-by-case basis.

## Clemson University

### *Tenure-Track Faculty Positions in the School of Computing*

The School of Computing at Clemson University invites applications from candidates at all ranks for positions in its three academic units representing a broad cross-section of computing and its applications: the Division of Computer Science (CS), the Division of Human-Centered Computing (HCC), and the Division of Visual Computing (VC). CS areas of interest include but are not limited to data science, security, software engineering, systems, and networking. HCC invites applications from candidates whose work demonstrates strong methodological rigor and potential impact in any area of human-centered computing. VC areas of interest include computer graphics and animation, visualization, digital production, and applied visual perception.

More information and application procedures may be found at: <http://www.clemson.edu/cecas/departments/computing/jobs/tenuretrack2016.html>

*Clemson University does not discriminate against any individual or group of individuals on the basis of race, color, religion, sex, sexual orientation, gender, pregnancy, national origin, age, disability, veteran's status or genetic information. Clemson University is an Affirmative Action/Equal Opportunity Employer.*

## Cleveland State University

### *Tenure-Track Faculty Position in Computer Science*

**Job Summary:** Cleveland State University is searching for active, culturally and academically diverse faculty of the highest caliber.

The Department of Electrical Engineering and Computer Science at Cleveland State University invites applications for an

Assistant Professor, tenure track position in Computer Science. The anticipated start date is August 21, 2017. Candidates must have completed all requirements for the Ph.D. no later than July 1.

Candidates in all areas of Computer Science will be considered, though the department is particularly interested in areas of Computer Systems, Programming Languages, Software Engineering, Internet of Things, Artificial Intelligence, Machine Learning, Robotics, Computer Vision, Cybersecurity, Health Informatics, High-Performance Computing, Multimedia Computing, and Mobile Computing.

The successful candidate will be expected to develop a strong, externally funded research program, supervise students, and actively participate in teaching at both the graduate and undergraduate levels. We are particularly interested in candidates who value cross-disciplinary and collaborative research.

Additional information about the department is available at <http://www.csuohio.edu/eecs>. Cleveland State University is a major university committed to excellence in research and teaching. In August 2015, the Chronicle of Higher Education recognizes CSU as #1 in the nation for the greatest percentage increase in total research funding, #1 in the nation for the greatest percentage increase in federal research funding, and #12 in the nation for the greatest percentage increase in corporate research funding.

**Minimum Qualifications:** Ph.D. in Computer Science or a closely related field no later than July 1, 2017, demonstration of strong potential to initiate and maintain a research program.

**Preferred Qualifications:** Candidates in all areas of Computer Science will be considered, though the department is particularly interested in areas of Computer Systems, Programming Languages, Software

# Professional Opportunities

Engineering, Internet of Things, Artificial Intelligence, Machine Learning, Robotics, Computer Vision, Cybersecurity, Health Informatics, High-Performance Computing, Multimedia Computing, and Mobile Computing and the ability to contribute to the diversity, cultural sensitivity, and excellence of the academic community.

**Application Instructions:** For full consideration, candidates must submit a cover letter, detailed curriculum vitae, research statement, teaching statement, two sample publications, and names and contact information of at least three references at <http://hrjobs.csuohio.edu/postings/6720>.

Review of applications will begin December 1, 2016 and position will remain open until filled. Full consideration will be given to applications submitted no later than December 1, 2016.

Inquires can only be directed to Professor Nigamanth Sridhar at [n.sridhar@csuohio.edu](mailto:n.sridhar@csuohio.edu).

Offer of employment is contingent on satisfactory completion of the University's verification of credentials and other information required by law and/or University policies or practices, including but not limited to a criminal background check. Hiring is contingent on maintaining existing levels of funding from the state of Ohio.

It is the policy of Cleveland State University to provide equal opportunity to all qualified applicants and employees without regard to race, color, religion, sex, sexual orientation, gender identity and/or expression, national origin, age, protected veteran or disable status, or genetic information.

## CMU's Heinz College

### *Postdoc position*

A postdoctoral scholarship is available for an outstanding researcher in data mining and machine learning at Carnegie Mellon University's Heinz College of Information Systems and Public Policy.

Application information is at: <http://www.andrew.cmu.edu/user/lakoglu/postdoc@Heinz.html>

Position will remain open until filled.

## College of the Atlantic

### *Faculty Member in Computer Science*

College of the Atlantic invites applications for our first faculty member in computer science, to start Fall 2016. We seek an energetic, innovative teacher with broad intellectual interests and curiosities to offer a range of classes to motivated students with diverse backgrounds and goals. In addition to core computer science classes, we welcome courses that help students make connections between computer science and other areas of study. COA is a highly interdisciplinary, nondepartmental college of around 350 students and 35 faculty. All students design their own major in human ecology.

For more information, see <http://www.coa.edu/human-resources/job-openings/>.

To receive full consideration, applications must be received by December 1, 2016.

## College of William & Mary

### *Assistant Professors of Computer Science*

The Department of Computer Science at William & Mary seeks applications for two tenure-track positions at the Assistant Professor level to begin in Fall 2017. We are interested in exceptional applicants from all areas of computer science, and have a particular interest in cybersecurity and privacy. Applicants must hold a Ph.D. in computer science or a related field at the time of appointment (August 10, 2017) and must have a strong research record and an interest in teaching.

William & Mary is consistently ranked in the elite group of the Best National Universities-Doctoral by U.S. News and World Report and is committed to a multi-

year effort to strengthen and expand its computer science research program. With a teaching load of two courses per year and institutional support, the department has been rising in national rankings of graduate CS departments, and has been the home of multiple NSF and DOE Career Awards. The department offers B.S., M.S., and Ph.D. programs. More information about the department can be obtained at <http://www.cs.wm.edu>.

Applicants must apply online at <https://jobs.wm.edu> (follow the link for instructional faculty). Please submit a curriculum vitae and a cover letter including a statement of research and teaching interests. Applicants will be prompted to submit online the names and email addresses of three references who we will contact with instructions for submitting letters of recommendation. For full consideration, please submit application materials by the review date, January 9, 2017. Applications received after the review date will be considered if needed.

The College of William & Mary values diversity and invites applications from underrepresented groups who will enrich the research, teaching and service missions of the university. The College is an Equal Opportunity/Affirmative Action employer and encourages applications from women, minorities, protected veterans, and individuals with disabilities. The College conducts background checks on applicants for employment.

## Columbia University

### *Tenure Track Faculty Positions*

Columbia Engineering invites applications for faculty positions in the Department of Computer Science at Columbia University in the City of New York. Applications at the assistant professor, and in exceptional cases, at the associate professor and full professor levels, will be considered.

# Professional Opportunities

Applications are sought in all areas of computer science, with particular emphasis on, but not limited to, the following areas: Artificial Intelligence (all areas) and Programming languages.

Candidates must have a Ph.D. or its professional equivalent by the starting date of the appointment. Applicants for this position at the Assistant Professor and Associate Professor without tenure levels must demonstrate the potential to do pioneering research and to teach effectively. Applicants for this position at the tenured level (Associate or Full Professor) must have a demonstrated record of outstanding research accomplishments, excellent teaching credentials and established leadership in the field.

The successful candidate is expected to contribute to the advancement of their field and the department by developing an original and leading externally funded research program, and by contributing to the undergraduate and graduate educational mission of the Department. Columbia fosters multidisciplinary research and encourages collaborations with academic departments and units across Columbia University. The Department 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: <http://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. All applications received by December 15, 2016 will receive full consideration.

Applicants can consult [www.cs.columbia.edu](http://www.cs.columbia.edu) for more information about the department. Columbia is an affirmative action/equal opportunity employer with a strong commitment to the quality of faculty life.

## Concordia University

### *NSERC Canada Research Chair Tier I and Two Tenure Track Positions in Software Engineering*

The department of Computer Science and Software Engineering at Concordia University in Montreal, Canada invites applications for one Canada Research Chair Tier 1 (full professor position) in Software Engineering and two tenure-track assistant professor positions in the areas of programming languages and big data analytics respectively. For more details please visit:

<https://www.concordia.ca/encs/about/jobs/csse-crc-t1-software-engineering.html>

<https://www.concordia.ca/encs/about/jobs/tenure-track-position-in-software-engineering-with-specialization-in-programming-languages.html>

<https://www.concordia.ca/encs/about/jobs/tenure-track-computer-science-or-software-engineering-specialization-big-data.html>

## Connecticut College

### *Computer Science Tenure-Track Assistant Professor*

The Department of Computer Science at Connecticut College seeks a full-time tenure-track assistant professor to join our department in August 2017 with expertise in the areas of web technologies, mobile computing, and cybersecurity.

Please see <http://cs.conncoll.edu/job.html> for additional information.

## CUNY - John Jay College of Criminal Justice

### *Multiple Tenure-Track Positions*

The Mathematics & Computer Science Department of the John Jay College of Criminal Justice seeks applicants for multiple tenure-track positions at the Assistant or Associate professor level to begin fall 2017. The successful candidate will teach courses in the new undergraduate Computer Science and Information Security major as well as in the Digital Forensics and Cybersecurity graduate program. Candidates working in all areas of computing will be considered; however, those who have an active research program that is related to computer security or digital forensics are of particular interest. Candidates should be willing to serve as research mentors to students in both the BS and MS programs and potentially in the PhD program in Computer Science at the Graduate Center of CUNY. Candidates are expected to have demonstrated commitment to teaching and to develop and maintain an active research and publication agenda.

**QUALIFICATIONS:** Ph.D. in Computer Science or related field at the time of appointment.

### **HOW TO APPLY:**

- Go to [www.cuny.edu](http://www.cuny.edu) and click on "Employment"
- Click "Search job listings"
- Search by job Opening ID number (I5723)
- Click on "more options to search for CUNY jobs"
- Click on the "Apply Now" button and follow the instructions

Once you have registered or logged in with your user name and password, please upload an application letter with statement of research and teaching interests, C.V., names of three references along with contact information, and proof of PhD or progress toward the degree. All items to be uploaded must be combined in a single document preferably in PDF format.

**CLOSING DATE:** January 18, 2017

# Professional Opportunities

## Davenport University

### Computer Science Faculty and Professional Outreach

Davenport University is a private, non-profit university focused on offering a practical curriculum and the latest degree programs. Visit [www.davenport.edu](http://www.davenport.edu)

The college of technology faculty member will engage in significant professional outreach to build strategic relationships with business and industry. This position will develop and teach academic curriculum designed to meet the present and future demands of computer professionals in business, industry and the corporate sectors.

#### KEY QUALIFICATIONS:

- Master's Degree in Computer Science or closely related field. Doctoral Degree or commitment to pursue institutionally-funded doctoral studies post-hire is desirable.
- Five+ (5) years of professional experience in business or industry in an applied computer technology field.
- Experience in secure software development (including threat modeling), operating system design, low-level programming languages (i.e.: x86 or ARM), and computer architecture (x86 or ARM) is required.
- Ability to teach university-level undergraduate and graduate courses in C++/C#, Java, and R.

Knowledge/Experience with the following is preferred:

1. Applied data analytics and data science;
2. Computer networks and data communications with an emphasis in Cisco networking and equipment.
3. Information Security with an emphasis on secure coding.
4. Machine learning techniques, including computer vision.

To Learn more and Apply: [jobs.davenport.edu/applicants/Central?quickFind=54400](http://jobs.davenport.edu/applicants/Central?quickFind=54400)

## DePaul University

### Multiple Faculty Positions

DePaul University's School of Computing invites applications for four tenure-track positions to begin in September 2017. We are primarily interested in candidates with expertise in the following areas: (1) cyber-physical and mobile systems (Assistant Professor or higher rank for exceptional cases); (2) data science; (3) networking (Assistant Professor); (4) software engineering (Assistant Professor). We seek candidates with a commitment to excellence in both teaching and scholarship. Applicants should hold a Ph.D. or equivalent by the date of appointment.

DePaul's School of Computing is a unit of the College of Computing and Digital Media, an interdisciplinary college with a broad range of innovative programs including Computer Science, Game Development, Human Computer Interaction, Information Security, Predictive Analytics, and Software Engineering. Located in the heart of Chicago's central business district, it supports many dynamic, interdisciplinary research groups and offers an opportunity to forge working relationships with industry. The School of Computing includes 55 full-time faculty, more than 3,000 undergraduate majors and graduate students, and offers Bachelor's, Master's, and PhD programs.

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

E-mail Corin Pitcher at [cpitcher@cs.depaul.edu](mailto:cpitcher@cs.depaul.edu) for additional inquiries.

Applications require a cover letter, C.V., teaching statement, research statement, and three letters of recommendation. For more information and to apply online, see <http://www.cdm.depaul.edu/about/Pages/Jobs.aspx>. For priority consideration, application materials must be received by January 6, 2017.

## Duke University

### Professor of the Practice Position

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 2016. 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 teachers, and the Computer Science department has set high standards in providing a teaching and work environment in which practice-of faculty thrive. The ideal candidate will have a strong commitment to and demonstrated excellence in teaching. Practice-of faculty typically teach two courses per semester with TA and undergraduate TA support. The term of an initial appointment depends on the rank, but is typically four years for a junior position. Re-appointment 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. The Department works with professors of the practice and all faculty to develop curricula and courses that build a strong foundation for modern computing for our students and those in other departments who take our courses, including Electrical and Computer Engineering in Duke's Pratt school of engineering. New initiatives in

# Professional Opportunities

mobile computing will be a focus of a new initiative to which a successful candidate will be expected to contribute. Applications should be submitted online through the link provided at [http://www.cs.duke.edu/department/resources/opening\\_pop.php](http://www.cs.duke.edu/department/resources/opening_pop.php)

A Ph.D. in computer science or related area, or appropriate professional experience is required. To guarantee full consideration, applications and letters of reference should be received by March 31, 2016.

Durham, Chapel Hill, and the Research Triangle of North Carolina are vibrant, diverse and thriving communities, 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 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 identity, national origin, race, religion, sexual orientation or veteran status.

## Duke University

### Tenure-Track Faculty Positions

The Department of Computer Science at Duke University in Durham, North Carolina, invites applications and nominations for tenure-track faculty positions to begin July 2017. We encourage strong applications in all areas and at all levels of seniority. In this search, we are particularly interested in the areas of machine learning, natural language processing, optimization, and/or interdisciplinary work that relates to the social sciences (including economics), physical sciences (including quantum physics), and/or biological sciences (including genetics).

The department is committed to increasing the diversity of its faculty, and we strongly

encourage applications from women and minority candidates.

A successful candidate must have a solid disciplinary foundation and demonstrate promise of outstanding scholarship in every respect, including research and teaching. Please refer to [www.cs.duke.edu](http://www.cs.duke.edu) for information about the department and to [www.provost.duke.edu/faculty/](http://www.provost.duke.edu/faculty/) for information about the advantages that Duke offers to faculty.

Applications should be submitted online through the link provided at [www.cs.duke.edu/facsearch](http://www.cs.duke.edu/facsearch). A Ph.D. in computer science or a related area is required. To guarantee full consideration, applications and letters of reference should be received by December 15, 2016, though we will continue to consider applications submitted after this date.

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## East Stroudsburg University

### Associate Professor Computer Security

East Stroudsburg University's Department of Computer Science invites applications for a full-time, tenure-track position in Computer Security. The Computer Science Department offers a BS degree in Computer Science, a BS degree in Computer Security, and a MS degree in Computer Science.

Position typically fill at the Assistant Professor rank; however an appointment at the Associate Professor level is possible for candidates with exceptional qualifications and experience. As part of Pennsylvania's State System of Higher Education (PASSHE), we offer competitive salaries and a comprehensive benefits package. The successful candidate will teach a wide variety of computer security and computer science courses at the undergraduate and graduate levels; engage in scholarly activity and provide service to the department, university and community. The standard workload for teaching faculty is 12 hours per term, with a maximum of three (different course) preparations. Teaching may include distance learning and/or off campus teaching.

### Qualifications:

This position requires an earned doctorate in the relevant discipline or profession. ABD may be considered. Candidates should also demonstrate potential for scholarly activity, developing new courses, strengthening the program, and the ability to work with diverse populations.

### Preferred Qualification:

The Department is looking for candidates who value a collegial working environment, are dedicated to teaching computer security and computer science, and are passionate about serving students. Undergraduate teaching experience and the ability to incorporate technology into the classroom are desirable.

We welcome applications from candidates who bring diverse cultural, ethnic and national perspectives to their creative work and teaching and the University encourages applications from members of historically under-represented groups, including women, veterans, and persons with disabilities, and is an AA/EEO employer. East Stroudsburg University is interested in hiring employees who have extensive experience with diverse

# Professional Opportunities

populations. To learn more about diversity at ESU and in our community, visit our website at [www.esu.edu/diversity](http://www.esu.edu/diversity).

Apply at: <https://esu.csod.com/ats/careersite/JobDetails.aspx?id=812>

## Eastern Michigan University

### Professor of Computer Science

Eastern Michigan University's Department of Computer Science seeks applicants for a tenure-track assistant professor position to begin Fall 2017. The successful applicant must have the ability to teach a variety of Computer Science courses at the undergraduate and graduate levels. We are particularly interested in candidates specializing in software engineering, embedded systems, cyber security, mobile applications, computer game design, and data science, but all areas will be considered.

Candidates should have completed a PhD in Computer Science or a related field by the time of their appointment. A strong aptitude and desire for teaching and plan to conduct scholarly research is preferred.

All applications must be made online at <http://agency.governmentjobs.com/emichedu/default.cfm>.

Application materials must include a letter of application, a curriculum vitae (including a list of publications, if any), a brief description of your plans for research, a brief statement of your teaching philosophy, and the names, addresses, phone numbers and email addresses of three references familiar with your qualifications.

EMU is an equal opportunity/affirmative action employer.

## Emory University

### Lecture track - Open Rank - Computer Science

Emory University's Mathematics & Computer Science Department invites applications for a position as Lecturer in Computer Science, to begin Fall 2017. Emory is a nationally ranked research university with a tradition of excellence and an emphasis on undergraduate education. Computer Science and Informatics is in a period of significant growth and seeks an individual to contribute to the service and scholarship of the department, which spans the core areas of theory and systems with outstanding faculty strengths in data-related areas. Appointments are for a period of three years with renewals and promotions possible within the lecture track, as detailed in Emory College of Arts and Sciences Guidelines for Appointment and Review of Lecture-Track Faculty: (<http://college.emory.edu/home/administration/policy/lecturer.html>).

Candidates must have a PhD in Computer Science or a related discipline, and will be expected to provide outstanding teaching, advising, and service related to the undergraduate programs. All areas of specialization will be considered, with preference given to applicants capable of teaching computer organization/systems. Responsibilities include, 1) teaching five courses per year; 2) advising undergraduate students; supervising and training graduate student instructors; and 3) supporting the educational mission of the college through department and college committees and programs participation.

Application materials comprising a cover letter, CV, a statement of career goals and teaching philosophy, evidence of teaching excellence, and a minimum of three letters of recommendation (one of which should address your teaching) directly from recommenders, should be

submitted via Interfolio – <https://apply.interfolio.com/38368>. Informal inquiries about the position are also invited by email to [cslect2016@mathcs.emory.edu](mailto:cslect2016@mathcs.emory.edu). Review of applications will begin on December 1, 2016 and will continue until the position is filled. Applications received up to 60 days after review begins will be given full consideration. For information about the department, please visit <http://www.mathcs.emory.edu>.

*Emory University is an Equal Opportunity/Affirmative Action/Disability/Veteran employer. Women, minorities, persons with disabilities, and veterans are encouraged to apply.*

## Emory University

### Tenure-Track Assistant Professor of Data Exploration

Emory University's Mathematics and Computer Science Department is leading an initiative in Data Science to pioneer research and educational advances in this multidisciplinary domain. This initiative builds upon current strengths and recent growth in data-oriented topics within the Computer Science and Informatics (CSI) program at Emory University (<http://csi.mathcs.emory.edu>), with research concentrations in Data Science and Biomedical Informatics. The CSI faculty maintain active, interdisciplinary research programs, and have been recently recognized with NSF CAREER, NIH K01, A.P. Sloan Fellowship, and DARPA CSSG awards.

Applications for a tenure-track position at the Assistant Professor level are invited from exceptional candidates with outstanding research and teaching records (or promise) in areas related to Data Exploration. Truly eminent candidates may be considered for appointment at higher ranks, subject to administrative approval. We are particularly interested in applicants with expertise in interactive

# Professional Opportunities

data exploration, broadly construed, which includes data mining, analytics, visualization, human-computer interaction, and summarization. Candidates with exceptional strengths in other data-relevant areas will also be considered. We seek colleagues who can complement the current program strengths in data mining, information retrieval, data privacy and security, machine learning, natural language processing, medical informatics, neural computation, and imaging informatics. Applicants must have a PhD in Computer Science or a closely related area. The successful candidate would join the Math and Computer Science department (<http://www.mathcs.emory.edu>) and contribute to scholarship and teaching at the undergraduate and graduate levels. Courtesy appointments in Biomedical Informatics and Biostatistics/Bioinformatics are available as appropriate.

Applications comprising of a cover letter, CV, research and teaching statements, and three to five letters of recommendation directly from recommenders, should be sent via Interfolio: <https://apply.interfolio.com/37659>. Informal inquiries about the position are also invited by email to [chair@mathcs.emory.edu](mailto:chair@mathcs.emory.edu). Application screening starts December 1, 2016 and will continue until the position is filled. Applications received up to 60 days after review begins will be given full consideration.

Emory University is an Equal Opportunity/Affirmative Action/Disability/Veteran employer. Women, minorities, persons with disabilities, and veterans are encouraged to apply.

## Emory University

### Lecture track - Open Rank - Computer Science

Emory College of Arts and Sciences at Emory University in Atlanta, GA announces a special initiative to recruit excellent

scientists and experienced College science teachers with an established commitment and history of effectively mentoring students from underrepresented and underserved populations. These two lecture-track (open rank) faculty appointments will contribute to our commitment to excellence and diversity in the sciences. The lecture-track hires will complement the appointment of two tenure-track scientists with a demonstrated history of effectively mentoring students from underrepresented and underserved populations.

Questions should be sent to Carla Freeman, Senior Associate Dean of Faculty, at [emorysciencesearch@emory.edu](mailto:emorysciencesearch@emory.edu). The review of applications will begin in October 2016 and continue until positions are filled. Informal inquiries about the position are also invited by email to [chair@mathcs.emory.edu](mailto:chair@mathcs.emory.edu).

Emory is a private university recognized internationally for its undergraduate Emory College of Arts and Sciences as well as its graduate and professional schools. Together Emory College and the university's seven graduate/professional schools feature renowned faculty and offer more than 100 degree programs and majors, with an enrollment of nearly 15,000 undergraduate and graduate students. Emory College's tradition of exceptional teaching and mentorship of undergraduates will be enhanced through this special initiative.

As a campus with a diverse student body, we encourage applications from women and minorities, and those with a history of mentoring students of underrepresented groups in the sciences.

Candidates for the open-rank, lecture-track positions should have outstanding records of teaching, curricular development, and advising. Applicants must hold a Ph.D. in Computer Science or in a relevant discipline. Faculty appointments will be made at the Lecture

Track rank commensurate with current academic standing and achievement (Lecturer, Senior Lecturer, Professor of Pedagogy). Successful candidates will be encouraged to participate in campus-wide interdisciplinary and departmental programs that provide research and professional development opportunities for our diverse student body.

Applicants must apply via Interfolio – <https://apply.interfolio.com/37312>.

Emory University is an Equal Opportunity/Affirmative Action/Disability/Veteran employer. Women, minorities, persons with disabilities, and veterans are encouraged to apply.

## Emory University

### Tenure-track - Open Rank - Computer Science

Emory College of Arts and Sciences at Emory University in Atlanta, GA announces a special initiative to recruit excellent scientists and experienced College science teachers with an established commitment and history of effectively mentoring students from underrepresented and underserved populations.

These two tenure track (open rank) faculty appointments will contribute to our commitment to excellence and diversity in the sciences. This effort will be further enhanced by the addition of two open rank lecture track faculty with a demonstrated history of effectively mentoring students from underrepresented and underserved populations.

Questions should be sent to Carla Freeman, Senior Associate Dean of Faculty, at [emorysciencesearch@emory.edu](mailto:emorysciencesearch@emory.edu). The review of applications will begin in October 2016 and continue until positions are filled. Informal inquiries about the position are also invited by email to [chair@mathcs.emory.edu](mailto:chair@mathcs.emory.edu).

# Professional Opportunities

Emory is a private university recognized internationally for its undergraduate Emory College of Arts and Sciences as well as its graduate and professional schools. Together Emory College and the university's seven graduate/professional schools feature renowned faculty and offer more than 100 degree programs and majors, with an enrollment of nearly 15,000 undergraduate and graduate students. Emory College's tradition of exceptional teaching and mentorship of undergraduates will be enhanced through this special initiative.

As a campus with a diverse student body, we encourage applications from women and minorities, and those with a history of mentoring students of underrepresented groups in the sciences.

Candidates for these two tenure track positions should have outstanding records of scholarly publications, research support, and teaching. Candidates must hold a Ph.D. in Computer Science or a relevant field. Faculty appointments will be made at a professorial rank commensurate with current academic standing and achievement.

The successful candidates will be expected to continue her/his active research program and to participate in campus-wide interdisciplinary and departmental programs that provide research and professional development opportunities for our diverse student body. Applicants must apply via Interfolio - <https://apply.interfolio.com/37231>.

Emory University is an Equal Opportunity/Affirmative Action/Disability/Veteran employer. Women, minorities, persons with disabilities, and veterans are encouraged to apply.

## Franklin & Marshall College

### *Position in Computer Science*

Franklin & Marshall College invites applications for a one-year visiting position in Computer Science beginning Fall 2017.

Applicants should possess a Ph.D. in Computer Science or a related field, or be close to completing the degree. The rank will be Visiting Assistant Professor or Visiting Instructor depending on qualifications.

Applicants should submit materials at <http://apply.interfolio.com/39473>. See <http://www.fandm.edu/computer-science/visiting-position> for more details. We will review applications until the position is filled; we assure full consideration to applications completed by February 27.

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 Human Resources at (717) 358-4817.

## Franklin & Marshall College

### *Tenure-Track Position in Computer Science*

The Franklin & Marshall College Computer Science Program invites applications for a tenure-track position in software beginning Fall 2017. Applicants should possess a Ph.D. in Computer Science or a related field, or be close to completing the degree. We anticipate filling the position at the rank of Assistant Professor or Instructor depending on qualifications, but we will consider qualified applicants at the Associate Professor level.

We seek candidates who are able to teach and develop courses in software design (broadly defined). We prefer candidates interested in working with students and

colleagues with diverse perspectives, experiences, and backgrounds.

Applicants should submit materials at <http://apply.interfolio.com/36926>. See <http://www.fandm.edu/computer-science/employment> for more details. We will review applications until the position is filled; we assure full consideration to applications completed by December 12.

Franklin & Marshall College is a research-intensive liberal arts college committed to having an inclusive campus community where all members are treated with dignity and respect. 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.

## George Mason University

### *Tenure-track Faculty Positions*

### *Computer Science Department - Tenure-track Faculty Positions*

The George Mason University Department of Computer Science, in the Volgenau School of Engineering, invites applications for tenure-track faculty positions beginning Fall 2017.

### **Required Qualifications**

Applicants must have received a Ph.D. 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. Exceptionally strong senior candidates may also be considered, and must have an established record of outstanding research and excellent teaching. Such candidates will be eligible for tenured Associate Professor or Professor positions.

### **Preferred Qualifications**

While applicants in all areas of computer science will be given serious consideration, we are particularly interested in candidates

# Professional Opportunities

in the areas of machine learning, artificial intelligence, robotics, databases, data analytics, and data-intensive computing.

## About the Department

The department has over 40 faculty members with wide-ranging research interests including artificial intelligence, algorithms, autonomic computing, computational biology, computer graphics, computer vision, databases, data mining, parallel and distributed systems, real-time systems, robotics, security, software engineering, and wireless and mobile computing. The CS department has over \$6 Million in annual research funding and has 11 recipients of NSF's prestigious CAREER awards.

In addition to BS, MS and PhD programs in Computer Science, the department offers MS programs in Information Systems, Information Security and Assurance, and Software Engineering. The department also participates in an inter-disciplinary MS in Data Analytics Engineering offered by the Volgenau School of Engineering. For more information on the department, visit our Web site: <http://cs.gmu.edu/>.

George Mason University is the largest public research university in Virginia, with an enrollment of over 35,000 students studying in over 200 degree programs. Mason is an innovative, entrepreneurial institution with national distinction in a range of academic fields. It was classified as an RI research institution in 2016 by the Carnegie Classifications of Institutes of Higher Education, and was ranked number one in the 2013 U.S. News and World Report "Up-and-Coming" list of national universities. Mason is located in 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.

For full consideration please submit application and application materials on-line at <http://jobs.gmu.edu> for position number **F105AZ**. To apply, you will need a statement of professional goals including your perspective on teaching and research (to attach as 'Other Doc'), a complete C.V. with publications, and the names of three professional references. The review of applications will begin February 1, 2017 and continue until the position is filled.

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, gender identity, sexual orientation, national origin, disability, or protected veteran status.

## George Mason University

### *Department of Computer Science—Assistant Professor Tenure-Track Faculty Positions*

The George Mason University Department of Computer Science, within the Volgenau School of Engineering, invites applications for Tenure-Track Assistant Professor positions beginning Fall 2017. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly encourages candidates to apply who will enrich Mason's academic and culturally inclusive environment.

### **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 Ph.D. 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. Exceptionally strong senior candidates may also be considered, and must have an established record of outstanding research and excellent teaching. Such candidates will be eligible for tenured Associate Professor or Professor positions.

### **Preferred Qualifications:**

While applicants in all areas of computer science will be given serious consideration, we are particularly interested in candidates in the areas of machine learning, artificial intelligence, robotics, databases, data analytics, and data-intensive computing.

### **About the Department:**

The department has over 40 faculty members with wide-ranging research interests including artificial intelligence, algorithms, autonomic computing, computational biology, computer graphics, computer vision, databases, data mining, parallel and distributed systems, real-time systems, robotics, security, software engineering, and wireless and mobile computing. The Computer Science Department has over \$6 million in annual research funding and has 11 recipients of the National Science Foundation's prestigious CAREER awards.

In addition to B.S., M.S. and Ph.D. programs in Computer Science, the department offers M.S. programs in Information Systems, Information Security and Assurance, and Software Engineering. The department also participates in an interdisciplinary M.S. in Data Analytics Engineering offered by the

# Professional Opportunities

Volgenau School of Engineering. For more information on the department, visit our Web site: <http://cs.gmu.edu/>.

George Mason University is the largest public research university in Virginia, with an enrollment of over 35,000 students studying in over 200 degree programs. Mason is an innovative, entrepreneurial institution with national distinction in a range of academic fields. It was classified as an R1 research institution in 2016 by the Carnegie Classifications of Institutes of Higher Education, and was ranked number one in the 2013 U.S. News and World Report "Up-and-Coming" list of national universities. 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.

For full consideration, applicants must apply for position number F105Az at <http://jobs.gmu.edu/>; complete and submit the online application; and upload a statement of professional goals including your perspective on teaching and research (to attach as 'Other Doc'), a complete C.V. with publications, and the names of three professional references. The review of applications will begin February 1, 2017, and continue until the position is filled.

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## George Mason University

### Computer Science Department Instructional Faculty Positions

The George Mason University Department of Computer Science, in the Volgenau School of Engineering, invites applications for renewable term, non tenure-track Instructor and Assistant Professor positions beginning Fall 2017. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and strongly encourages candidates to apply who will enrich Mason's academic and culturally inclusive environment.

### Responsibilities

Responsibilities include teaching undergraduate computer science courses as well as service duties associated with the department's undergraduate degree programs.

### Required Qualifications

Applicants for Assistant Professor positions must have received a Ph.D. in computer science or related field by the start date of the position. Applicants with an MS degree in Computer Science or a related field will be considered for Instructor positions. Applicants should possess a strong commitment to and demonstrated excellence in teaching.

### Preferred Qualifications

Preference will be given to candidates with teaching experience. Administrative and/or managerial experience is a plus.

### About the department

The department has over 40 faculty members with wide-ranging research and a strong commitment to teaching. The CS department has over \$6 Million in annual research funding and has 11 recipients of NSF's prestigious CAREER awards. For more information on the department, visit our web site: <http://cs.gmu.edu/>.

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For full consideration please submit a faculty application and application materials online at <http://jobs.gmu.edu> for position number **F106AZ**. To apply, you will need a statement of professional goals including your perspective on teaching (to attach as 'Other Doc'), a complete C.V. with publications and teaching history, and the names of three references. The review of applications will begin on February 1, 2017 and will continue until the positions are filled.

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, gender identity, sexual orientation, national origin, disability, or protected veteran status.

# Professional Opportunities

## Georgetown University

### Senior Joint Appointment in Computer Science and Law

The Department of Computer Science together with the School of Law at Georgetown University invite applications for a joint position at the level of Full Professor. We are seeking exceptional candidates working at the intersection of Law and Computer Science who have a PhD in CS and a record of research and teaching that can support both units.

Candidates should visit <http://www.cs.georgetown.edu/cslaw> for additional information and instructions on submitting applications. Applications received by January 17, 2017 will receive full consideration for first-round interviews, though later applications are welcome.

Georgetown University is an Equal Opportunity, Affirmative Action Employer fully dedicated to achieving a diverse faculty and staff. All qualified candidates are encouraged to apply and will receive consideration for employment without regard to race, sex, sexual orientation, age, religion, national origin, marital status, veteran status, disability or other categories protected by law.

## Haverford College

### Visiting Assistant Professor

Haverford College seeks to hire a full-time Visiting Assistant Professor in the Department of Computer Science for at least one semester beginning either January 1, 2017 or July 1, 2017.

To apply, please go to: <http://hav.to/231>.

## Indiana University School of Informatics and Computing

### Assistant Professor of Data Science

The Indiana University School of Informatics and Computing, Indianapolis, invites

applications for a tenure-track assistant professor position in data science, beginning August, 2017 in the Department of Human-Centered Computing. Candidates must demonstrate an outstanding scholarly record of research, exhibited by high-impact peer-reviewed publications and a research agenda that will secure competitive, external funding.

We seek an exceptional researcher in data science. All areas of data science will be considered including data mining, statistical machine learning, descriptive, predictive,

and prescriptive analytics, cloud computing, distributed databases, high performance computing, data visualization, or other areas involving the collection, organization, management, and extraction of knowledge from massive, complex, heterogeneous datasets.

### Qualifications

- Ph.D. in Computer Science, Information Science, Statistics, Data Science, or related discipline.
- Demonstrated ability to develop a record of outstanding research productivity and



## SCHOOL OF INFORMATICS AND COMPUTING

INDIANA UNIVERSITY  
Bloomington

### Faculty Positions in Computer Science and Informatics

[The School of Informatics and Computing \(SoIC\)](#) at Indiana University (IU) Bloomington invites applications for a tenure/tenure-track faculty position in computer science (applications considered at assistant, associate, and full professor levels), and for tenure-track faculty positions in precision health as part of the Indiana University Precision Health Initiative (assistant professor level) to begin in Fall 2017. Duties include teaching, research, and service.

- **Computer Science target areas:** Computer systems, computer architecture, operating systems, networks, and distributed systems.
- **Precision Health target areas:**
  - Environmental sensing for health, including health-specific research with populations outside of a clinical environment involving sensors, mobile, GIS, public health and policy;
  - Algorithm development and application for information integration, large-scale information extraction, and retrieval from the biomedical literature; e.g. in NLP, text mining, databases, and machine learning;
  - High-performance computing and Big Data analytics for bioengineering and health/medical science.

Applicants should have an established record (for senior level) or demonstrable potential for excellence (for junior level) in research and teaching, and a PhD in a relevant area or (for junior level) expected before 8/17.

The SoIC is the first of its kind and among the largest in the country with unsurpassed breadth. Its mission is to excel and lead in education, research, and outreach spanning and integrating the full breadth of computing and IT. It includes Computer Science, Informatics, and Information and Library Science, with over 100 tenure-line faculty, 1400 graduate students, and 1600 undergraduate majors on the Bloomington Campus. 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.

All applicants should submit a CV, a statement of research and teaching, and names of 6 references (3 for junior level) using the submissions links below. Questions may be sent to [hiring@soic.indiana.edu](mailto:hiring@soic.indiana.edu). For full consideration applications are due by 12/1/16.

<http://indiana.peopleadmin.com/postings/2731> (Computer Science)  
<http://indiana.peopleadmin.com/postings/2732> (Precision Health)

*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 or identity, national origin, disability status or protected veteran status.*

# Professional Opportunities

impact. The ability to secure external funding is required.

- Effective teaching for classroom, online, or blended learning.

The department is home to a dynamic and interdisciplinary group of faculty and students across its Data Science, Human-Computer Interaction, Informatics, and Media Arts and Science degree programs.

The department has a strong emphasis on the human-centered aspects of data science, including interactive and multimodal visualizations, usable information representation and data manipulation, interactive tools for next-generation knowledge discovery, interactive environments for big data, human factors in data science, and human-computer interaction issues surrounding data science applications and decision-making processes. The Data Science program is uniquely positioned to drive research in big data around health information, both from the patient's side and from the provider's side. Two major growing areas include predictive population analytics for health monitoring and prevention and novel paradigms for health literacy and information delivery based on user's data searches and online behavior.

Faculty conduct groundbreaking, externally-funded research in a variety of areas, including emerging media technologies, human-computer interaction design, ubiquitous computing, accessibility, human-robot interaction and android science, and healthcare user interfaces.

**Visit <http://indiana.peopleadmin.com/postings/3077> for full application instructions.**

Please submit your application materials by **January 1, 2017**. However, the positions will remain open until filled.

Questions can be directed to Dr. Davide Bolchini at [dbolchin@iupui.edu](mailto:dbolchin@iupui.edu)

The School of Informatics and Computing is eager to consider applications from women and minorities. Indiana University is an Affirmative Action/Equal Opportunity Employer. IUPUI is an Affirmative Action/Equal Opportunity Institution M/F/D/V.

## Iowa State University

### Assistant Professor - Multiple

The Department of Computer Science at Iowa State University seeks outstanding applicants for two tenure-track faculty positions at the rank of Assistant Professor.

Responsibilities include teaching undergraduate and graduate courses, mentoring and engaging undergraduates, as well as, prospective students, developing and sustaining a strong, externally funded research program, publishing in top tier venues, developing collaborative research, mentoring graduate students, and enhancing Iowa State University's existing strengths through professional and institutional service.

For more information on this position or to apply, follow this link: <http://www.iastatejobs.com/postings/21920>.

Iowa State University does not discriminate on the basis of race, color, age, ethnicity, religion, national origin, pregnancy, sexual orientation, gender identity, genetic information, sex, marital status, disability, or status as a U.S. veteran. Inquiries regarding non-discrimination policies may be directed to Office of Equal Opportunity, 3350 Beardshear Hall, 515 Morrill Road, Ames, Iowa 50011, Tel. 515 294-7612, email [eooffice@iastate.edu](mailto:eooffice@iastate.edu).

## Iowa State University

### Associate or Full Professor of The Lanh & Oanh Nguyen Chair in Software Engineering

The Department of Computer Science in the College of Liberal Arts and Sciences at Iowa

State University is seeking outstanding candidates for the endowed Lanh and Oanh Nguyen Chair in Software Engineering at the rank of Associate or Full Professor.

Responsibilities include teaching undergraduate and graduate courses; mentoring students; sustaining a strong, externally funded research program in software engineering; publishing in top tier venues; and enhancing Iowa State University's existing strengths through professional and institutional service.

Iowa State University is classified as a Carnegie Foundation Doctoral/Research University-Extensive, a member of the Association of American Universities (AAU), and ranked by U.S. News and World Report as one of the top public universities in the nation. 36,600 students are enrolled, and served by over 6,200 faculty and staff (see [www.iastate.edu](http://www.iastate.edu)). Ames, Iowa is a progressive community of 60,000, located approximately 30 minutes north of Des Moines, and recently voted second best most livable small city in the nation (see [www.amescvb.com](http://www.amescvb.com)).

Iowa State University is an equal opportunity employer committed to excellence through diversity and strongly encourages applications from all qualified applicants, including women, underrepresented minorities, and veterans. ISU is highly responsive to the needs of dual career couples, has policies fostering work-life balance, and is an NSF ADVANCE institution. All faculty members are expected to exhibit and convey good citizenship and collegiality within the program, the department, the college, and the university, and maintain the highest standards of integrity and ethical behavior.

### Required Education & Experience:

- An earned Ph.D. or equivalent degree in Software Engineering, Computer Science, Computer Engineering, or a closely related field.

# Professional Opportunities

- Academic credentials sufficient for an appointment at the rank of Associate or Full Professor.
- Publication in top tier venues.
- International recognition for research and scholarship commensurate with rank.

In addition to the above:

- An appointment at the rank of Full Professor will have demonstrated effective leadership and mentoring of junior faculty.

For more information or to apply, please use this link: <http://www.iastatejobs.com/postings/22159>.

## The iSchool at University of Maryland, College Park

### Assistant Professor

The iSchool at University of Maryland, College Park seeks an assistant professor (tenure track) focused on human-centered design of information and technology, including but not limited to human-computer interaction, social computing, digital humanities, data visualization, and visual analytics. We are interested in candidates with superior research and scholarship potential as well as teaching ability. This is a 9-month tenure-track appointment, with opportunities for summer teaching and grant-funded summer research. Salary and benefits are competitive based upon qualifications and experience.

The iSchool is home to a dynamic set of centers and labs, including the world renowned Human-Computer Interaction Lab ([hcil.umd.edu](http://hcil.umd.edu)), the Trace Center ([trace.umd.edu](http://trace.umd.edu)), and the Digital Curation Innovation Center ([dcic.umd.edu](http://dcic.umd.edu)), and more that conduct interdisciplinary research that transforms the way we connect with information and each other. The growing iSchool faculty work in a wide variety of domains and problem areas, and we are interested in faculty colleagues who evidence creative exploration of new areas and collaboration with others. We seek candidates interested in conducting

interdisciplinary research within strategic application areas including but not limited to environmental sustainability, cybersecurity, smart and connected communities, youth learning and technology, big data management and curation, diversity, equity, information accessibility, and inclusive design.

## Johns Hopkins University

### *Multiple Endowed Faculty Positions in Engineering in Healthcare*

The Whiting School of Engineering at Johns Hopkins University is seeking outstanding

faculty candidates whose research will contribute to the development and advancement of engineering methods applied to health care. Successful candidates will be eligible for one of several endowed professorships, and they will be affiliated with the newly established Malone Center for Engineering in Healthcare: <http://malonecenter.jhu.edu>. The Malone Center is one element of a substantial, multi-year investment by the Whiting School in engineering related to healthcare. More information about the Whiting School of Engineering can be found at <https://engineering.jhu.edu>.



## SCHOOL OF ENGINEERING AND TECHNOLOGY

INDIANA UNIVERSITY-PURDUE UNIVERSITY  
Indianapolis

Purdue School of Engineering and Technology, IUPUI  
Chair, Department of Computer Information and Graphics Technology

The Department of Computer Information and Graphics Technology within the Purdue School of Engineering and Technology at Indiana University-Purdue University Indianapolis (IUPUI) invites applications and nominations for the position of Department Chair. This senior level leadership position within the School is intended for candidates who are dedicated to the advancement of undergraduate and graduate education, have a distinguished record of applied research and professional accomplishment, have strong leadership and management abilities, and a steadfast commitment to faculty governance. Candidates with the ability to enable synergistic collaborations, within the department and outside the department including collaborations with the engineering departments in the School, will be given preference. This is an outstanding opportunity to impact the future direction of the department and its programs with the potential to guide the department's ascension to among the premier departments of its kind in the nation. Anticipated start date is July 1, 2017.

The computer information and graphics technology department at IUPUI houses 2 CAC of ABET accredited B.S. programs in computer and information technology and computer graphics technology, respectively. The department also supports the M.S. in Technology, an interdisciplinary program in collaboration with other technology departments in the School with focus areas in Information Security and Assurance and Applied Data Management and Analytics. Additional information about the department is available at [engr.iupui.edu/departments/cigt/](http://engr.iupui.edu/departments/cigt/)

The School of Engineering and Technology at IUPUI has 7 academic departments with an extensive undergraduate and graduate degree portfolio, including numerous CAC, EAC, and ETAC of ABET accredited B.S programs. The School has over 3,300 students, including 450 graduate students pursuing either M.S. or Ph.D. programs. More information about the School is available at [engr.iupui.edu/](http://engr.iupui.edu/)

The IUPUI campus has approximately 30,000 students and over 200 degree programs with annual research expenditures totaling approximately \$300M. IUPUI has received the Higher Education Excellence in Diversity (HEED) Award for three consecutive years. More information about IUPUI is available at [www.iupui.edu](http://www.iupui.edu)

The most competitive candidates will hold a Ph.D. or equivalent in computer science, management information systems, technology, engineering, or a closely related field with scholarly accomplishments commensurate with appointment as a tenured professor at a RU/H Carnegie classified campus. Applications should include a statement of interest, curriculum vitae, and contact information for at least three references. Apply for this position at <http://indiana.peopleadmin.com/postings/3043>. Applications are welcome until the position is filled.

IUPUI is an Equal Opportunity/Affirmative Action educator and employer and affords reasonable accommodations to persons with disabilities.

# Professional Opportunities

This search is open to all faculty ranks and to candidates in all engineering disciplines including Computer Science and Applied Mathematics. Of particular interest are candidates with a focus on systems modeling and optimization, user-centered design, human-computer interaction, data science, machine learning, smart devices, and mobile health. Candidates with a demonstrated ability to translate their work to healthcare-related settings are especially desirable.

All applicants must hold a Ph.D. in an engineering or related field and will be expected to establish a strong, independent, multidisciplinary, and internationally recognized research program. Commitment to teaching excellence at the undergraduate and graduate levels is required.

Applicants at the level of Assistant Professor should apply using the Academic Jobs Online link: <https://academicjobsonline.org/ajo/jobs/6325> by supplying a current CV, Research Statement, Teaching Statement, the names of at least three references. Applicants at the level of Associate or Full Professor, please contact Sr. Administrative Manager Nina Jackson-Goode via email to [cjacks64@jhu.edu](mailto:cjacks64@jhu.edu) regarding instructions on how to apply. Applications will be reviewed on a continuous basis. Candidates who complete their applications by December 1, 2016 will receive full consideration for appointments starting July 1, 2017.

The Whiting School of Engineering is committed to building a diverse educational environment, and women and minorities are strongly encouraged to apply. Johns Hopkins University is an EO/AA employer committed to recruiting, supporting, and fostering a diverse community.

## Kansas State University

### Instructor

The Department of Computer Science at Kansas State University (KSU) seeks applicants for Instructor with an MS in Computer Science or related field. PhD and relevant teaching/industry experience preferred.

Go to <http://careers.k-state.edu/cw/en-us/job/500181/instructor-computer-science> for position description and application procedures or call 785-532-6350.

KSU actively seeks diversity among its employees. KSU is an EOE of individuals with disabilities and protected veterans. Background check required.

## Kean University

*College of Natural, Applied and Health Sciences: Department of Computer Science*

### About the Position:

To teach both undergraduate and graduate courses. The department has a strong commitment to undergraduate research and offers undergraduate degrees (B.S. in Computer Science -ABET accredited; B.S. Information Technology) and a graduate degree (M.S. in Computer Information Systems). The department features small class sizes in a new building and a collaborative team of faculty with distinction in undergraduate research mentoring.

All open faculty positions are ten-month, full-time, tenure-track assignments at the rank of Assistant Professor, effective September 1, 2017, unless otherwise indicated. Teaching assignments and related responsibilities may include day, evening, weekend and online courses. Courses are taught at the Union campus but some positions may include assignments at Kean Ocean in Toms River, New Jersey or other locations.

### Qualifications:

Doctorate degree in Computer Science, Information Technology or a related field;

demonstrated scholarly capability; and an established and active independent research agenda in one of several core areas of interest, including, but not limited to: cybersecurity, data science, algorithms, systems and web programming is required. Candidates with industry and teaching experience are encouraged to apply.

**For more information on how to apply visit:** <http://www.kean.edu/offices/human-resources/employment/faculty-positions/anticipated-faculty-2017-2018>

*Kean University is an Equal Opportunity/Affirmative Action/Veterans/Disability Employer*

## Korea Advanced Institute of Science & Technology

### Faculty Positions

The School of Computing at KAIST (Korea Advanced Institute of Science & Technology) seeks outstanding tenure-track faculty in all areas of computer science at the Assistant Professor level. Exceptional candidates at the Associate and Full professor levels will also be considered.

Our School of Computing is home to about 50 faculty and 1000 students. In addition, our school offers graduate programs in cybersecurity and web science technology, and runs special programs on mobile and software systems. Our undergrad students can enroll in Software Intensified Program funded by MSIP (the Ministry of Science, ICT, and Future Planning). Also we collaborate closely with the Cyber Security Research Center (CSRC).

Applicants must demonstrate superior research and scholarship potential as well as teaching ability. Candidates should complete their PhD's and obtain the degree before the official appointment, if not by the time of application.

# Professional Opportunities

We accept and review applications all year around. For additional information and to apply, please see: <https://cs.kaist.ac.kr/SoC-facultysearch>.

If you have any question regarding the application process, please email us at [facultysearch@cs.kaist.ac.kr](mailto:facultysearch@cs.kaist.ac.kr).

## KTH Royal Institute of Technology

*Postdoc in computer science focused on SAT solving*

The TCS Group at KTH Royal Institute of Technology invites applications for a postdoctoral position in computer science focused on SAT solving.

The postdoctoral researcher will be working in the research group of Jakob Nordstrom, where much of the activities revolve around the themes of efficient algorithms for satisfiability in propositional logic (SAT solving) and lower bounds on the efficiency of methods for reasoning about SAT (proof complexity). On the practical side, we are interested both in gaining a better understanding of state-of-the-art solvers and in exploring new methods of reasoning that hold out the theoretical possibility of exponential improvements.

The application deadline is January 15, 2017. See <http://www.csc.kth.se/~jakobn/openings/D-2016-0872-Eng.php> for the full announcement with more information and instructions how to apply. Informal enquiries are welcome and may be sent to [jakobn@kth.se](mailto:jakobn@kth.se).

## KTH Royal Institute of Technology

*Postdoc in theoretical computer science*

The TCS Group at KTH Royal Institute of Technology invites applications for up to four postdoc positions in theoretical computer science.

The research project is led by Johan Hastad, Per Austrin, and Jakob Nordstrom, and focuses on questions at the intersection of approximation algorithms, subexponential algorithms, and proof complexity. In addition to the 3 PIs, the research project is planned to involve a total of 4-5 postdocs and 5-7 PhD students. Thus, this will be a unique opportunity to explore new connections between different subareas of complexity theory within a vibrant and growing research environment.

The application deadline is January 15, 2017. See <http://apc.csc.kth.se/D-2016-0871-Eng.php> for the full announcement with more information and instructions for how to apply. Informal enquiries are welcome and may be sent to [apc@csc.kth.se](mailto:apc@csc.kth.se).

## Lawrence Berkeley National Laboratory

*High Performance Computing Systems Engineer - 82480*

The NERSC ([www.nersc.gov](http://www.nersc.gov)) Center at LBNL is looking for exceptional individuals to join our Computational Systems Group. As a member of our team you will contribute to the development of innovative solutions for supporting science at scale on the next generation of supercomputers.

For the full job description and to apply, please visit: <http://50.73.55.13/counter.php?id=83869>

## Loyola University New Orleans

*Assistant Professor - Computer Science*

Please see our ad at <http://finance.loyno.edu/human-resources/faculty-employment-opportunities>.

## Loyola University New Orleans

*Lecturer - Computer Science*

Please see our ad at <http://finance.loyno.edu/human-resources/faculty-employment-opportunities>.

## McGill University

*Full-time tenure-track joint appointment in Computer Science and Education*

The School of Computer Science and the Faculty of Education at McGill University invite applications for a joint tenure-track appointment at the rank of assistant professor, to begin on August 1st, 2017. Candidates must have or soon expect a Ph.D. in Computer Science, Education, or related field with expertise in areas of computer science relevant to teaching and learning (e.g., HCI, user modeling, computer-supported collaborative learning, digital humanities, and machine learning) and a strong track record of interdisciplinary and innovative work in science education platforms. This position will be a joint appointment between the School of Computer Science and one department in the Faculty of Education, to be determined according to the candidate's expertise. The successful candidate will be expected to conduct high quality research at the intersection of the two fields, teach to a diverse and talented student body, and secure competitive external funding. Experience with outreach work in technology education or technology environments would be an asset. Salary will be negotiable, according to qualifications and experience. The School of Computer Science, a department within the Faculty of Science, offers a collegial environment with opportunities for interaction with world class researchers in many related and complementary areas including machine learning, network science, natural language processing, bioinformatics, and many more. The Faculty of Education is committed to undergraduate and graduate teaching and

# Professional Opportunities

research across a range of Education-related fields, including but not limited to Teacher Education, Educational and Counseling Psychology, Learning Sciences, Kinesiology and Physical Education. The ideal Science Education candidate will be a scholar with interest in and the expertise required to build upon one or several of the teaching and research areas designated as a priority within the Faculty.

McGill is consistently ranked as one of the world's best universities and there is ample opportunity for transdisciplinary collaboration. McGill is situated in Montreal, a historic and internationally-flavored city, and home to no fewer than four universities.

To apply, submit your application using the web page at: [https://hire-joint.cs.mcgill.ca/new\\_hire](https://hire-joint.cs.mcgill.ca/new_hire). The complete application package required includes:

- a curriculum vitae including a list of publications;
  - a brief statement explaining the candidate's contribution to their best two publications, with embedded links to the publications in pdf format;
  - a research statement;
  - a teaching statement;
  - the names and email addresses of three references.
- The selection process will begin by January 15, 2017, and continue until the position is filled.

McGill University is committed to diversity and equity in employment. It welcomes applications from: women, Indigenous persons, persons with disabilities, ethnic minorities, persons of minority sexual orientation or gender identity, visible minorities, and others who may contribute to diversification. All qualified applicants are encouraged to apply; however, in accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.

For more information: [csedu@cs.mcgill.ca](mailto:csedu@cs.mcgill.ca)

## Michigan State University

### *Senior Faculty Position in Embedded Cybersecurity*

Join Michigan State University's Global Impact Initiative, designed to address the grand challenges through the creation of over 100 new faculty positions in some of the most promising and exciting fields of research. We welcome applicants from diverse backgrounds. MSU offers an inclusive and collaborative work environment. To learn more, visit <http://research.msu.edu/global-impact>.

The Department of Computer Science and Engineering and the Department of Electrical and Computer Engineering in the College of Engineering at Michigan State University invites applications for a tenure- system position in the area of Embedded Cybersecurity. Candidates must have an earned PhD in Computer Science or Electrical Engineering or related fields, with expertise in the general area of Embedded Cybersecurity with applications in areas such as transportation, energy, health care, and the Internet of Things. Research areas should focus on securing resource-constrained systems considering both hardware and software.

The position will be filled at the level of Professor or Associate Professor 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, and engage in institutional and professional service. This faculty position will be a joint appointment in the Departments of Computer Science and Engineering (CSE) and Electrical and Computer Engineering (ECE).

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/>. 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://jobs.msu.edu/> and refer to position #4389. Applicants must submit a detailed resume, a cover letter summarizing their qualifications, vision statements for teaching and research, and the names and contact information for at least three references. For full consideration, applications should be received before February 1, 2017. Applications will be reviewed on a continuing basis thereafter until the position is filled. Nominations or questions are welcome by contacting the search committee chair through email at [cybersecurity\\_search@egr.msu.edu](mailto:cybersecurity_search@egr.msu.edu). The position is available on August 2017.

*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 and/or nominations of women, persons of color, veterans and persons with disabilities.*

# Professional Opportunities

## Microsoft Research - Redmond

*Postdoc in the Theory Group (apply by December 1, 2016)*

The theory group in Microsoft Research-Redmond has multiple postdoc positions in theoretical computer science and probability theory. Applications sent before December 1, 2016 will receive full consideration.

The positions can be either for 1 or 2 years. Anticipated start date: July 1, 2017.

Apply online at <https://careers.research.microsoft.com/> and also have the material (including references) emailed to [theoryap@microsoft.com](mailto:theoryap@microsoft.com).

For more information see our webpage: <http://research.microsoft.com/en-us/groups/theory/>

## Missouri S&T

### Department Chair

The Computer Science Department at Missouri S&T invites applications from dynamic and visionary individuals for the position of Department Chair. The successful candidate will guide the department in directions that will further elevate its national and international stature as well as enhance the success of its students, faculty, and staff by achieving departmental and campus strategic visions. The successful candidate should demonstrate exceptional skills in recruiting and retaining a diverse group of faculty, promoting collaboration and superior written and oral communication with all stakeholders on and off campus, creating the conditions necessary for faculty and student development and creativity, acquiring campus resources essential for department growth, and seeking external resources for program enhancement through fund-raising efforts. A PhD in Computer Science, or a closely related area, with a demonstrated track record of scholarly accomplishments, effective teaching, and overall leadership is required. Further details

on required and desired attributes, skills and characteristics of the successful candidate, and the department's visions and strategic plan, activities, and research may be found at: <http://cs.mst.edu/departmentchairsearch/>

The Computer Science Department has a proud 50-year history of advancing the quality and breadth of its educational mission, and grants ABET-accredited BS, as well as MS and PhD degrees. An active recruitment strategy has resulted in the department now being one of the largest on campus, with over 700 students (607 BS, 70 MS, and 38 PhD). Special emphasis on recruiting female and under-represented minority students has been highly successful. A productive, experienced set of 19 TT/NTT faculty are engaged in the advancement of knowledge in key growth areas including computational intelligence & computer vision, mobile & distributed systems, cyber security, social-cyber-physical systems, pervasive computing, and big data & internet of things, and they have more than doubled their research expenditures in the last 5 years. The department has 3,957 successful and engaged alumni, and is strongly supported by an active Academy of Computer Science and Industrial Advisory Board.

Interested candidates should electronically submit an application consisting of a cover letter, a curriculum vitae, a statement of leadership philosophy and research and teaching interests, and complete contact information for five references to the Missouri University of Science and Technology's Human Resources Office at: <http://hr.mst.edu/careers/academic/> (position # 67756). Application review will begin on January 15, 2017, and will continue until the position is filled. For more information prior to submitting an application, please contact the Search Committee Chair, Prof. Wayne Huebner, at: [huebner@mst.edu](mailto:huebner@mst.edu).

Missouri S&T is an AA/EEO employer and does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age, disability or status as a protected veteran. Females, minorities, and persons with disabilities are encouraged to apply. The university participates in E-Verify. For more information on E-Verify, please contact DHS at: 1-888-464-4218.

## MIT

### Lecturer Positions in Electrical Engineering and Computer Science

#### POSITION DESCRIPTION

Lecturer in Electrical Engineering and Computer Science with a focus on Discrete Mathematics, Algorithms, Machine Learning, Artificial Intelligence, or Human-Computer Interaction. Specific duties are outlined below:

Full-time participation in educational activities during the academic terms (Fall, Independent Activities Period, and Spring) including:

- Interacting with students, e.g. by lecturing, leading recitations, or staffing lab and office hours.
- Creating content, such as lecture materials, problem sets, quizzes, videos, and other on-line materials.
- Carrying out administrative responsibilities, such as locating, hiring, supervising course staff, record-keeping, and interacting with Department and Registrar.
- Possibly participating in the creation/migration of courses onto OCW and/or MITx.

Course assignment will include some of the following courses and may include other related courses:

- Introduction to Machine Learning (6.036)
- Machine Learning (6.867)
- Introduction to Algorithms (6.006)
- Design and Analysis of Algorithms (6.046)

# Professional Opportunities

- Mathematics for Computer Science (6.042)
- Artificial Intelligence (6.034)
- User Interface Design and Implementation (6.813)

For more information on how to apply visit [https://school-of-engineering-faculty-search.mit.edu/eecs\\_lect/](https://school-of-engineering-faculty-search.mit.edu/eecs_lect/)

Please contact Mary Ellen Sinkus, [mod@mit.edu](mailto:mod@mit.edu), with questions regarding this position.

## Naval Postgraduate University

### Multiple CS Tenure-Track Positions

The Department of Computer Science at the Naval Postgraduate University seeks applicants for tenure-track assistant professor positions in: i) cybersecurity; and ii) machine learning/data-mining/autonomous systems. Applicants must have a PhD in CS or a related discipline and be US citizens.

Please see <http://my.nps.edu/web/cs/faculty> for additional information on the

positions, our department, and applications instructions.

The Naval Postgraduate School is an equal opportunity employer.

## New Mexico State University

### Tenure-Track Assistant Professor

The Computer Science Department at NMSU invites applications for two tenure-track assistant professor positions in the broad areas of data science (one position) and cybersecurity (one position). Candidates must have completed a Ph.D. by the time of their appointment (Fall 2017), and have a strong commitment to both research and teaching. The C.S. Department has a Bachelor/Master/PhD degree program, and has a vibrant research environment. Research strengths include smart power grids, communications and sensors, data science, artificial intelligence, systems software, IoT, and photonics.

Please visit <https://jobs.nmsu.edu>, positions 198081 (data) and 718316 (cybersecurity) for more information. The website [www.cs.nsmu.edu](http://www.cs.nsmu.edu) also has further detail.

Applicants must apply to each position they wish to be considered for.

NMSU is an Equal Opportunity/Affirmative Action employer.

## New York Institute of Technology

### Assistant Prof. of Computer Science RA #2643 Cybersecurity

New York Institute of Technology (NYIT) School of Engineering and Computing Sciences seeks an Assistant Professor in Computer Science, more specifically in Ubiquitous and Pervasive Computing: Cyber Physical Systems; Computer Security (formal methods or usable privacy) (full-time, tenure-track; Old Westbury Campus).

Candidates must have a Ph.D. degree in Computer Science, or related area, excellent communication skills, and a solid publication record. Candidates must demonstrate an innovative research record and/or industrial experience, and potential for securing sponsored research, contracts and external grants. Successful candidates will share our vision to grow the School of Engineering and Computing Sciences into a leader in applied research and a premier source of student talent in the New York Metropolitan Area and globally.

For consideration, e-mail your curriculum vitae, cover letter, a representative publication, and research and teaching statements to [Jobs.SOECS.RA2643@nyit.edu](mailto:Jobs.SOECS.RA2643@nyit.edu)

Please reference job code RA #2643 in your subject line.

NYIT is an AA/EEO institution.



## Full-Time Faculty Computer Science

### Job Description:

Candidates will be expected to excel in teaching diverse students in a variety of settings. In addition, we seek a candidate who can help build our undergraduate computer science program. This would include restructuring the existing computer science minors and online AS degree, developing a computer science major, increasing the participation of women, and assessing and growing the program. An interest in collaborating with other programs and departments such as GIS and Biology (Bioinformatics), and Marketing is desirable. The successful candidate will also be expected to engage in research, including supervising student research. The position will begin with a reduced teaching load and research expectation due to the additional responsibilities.

### Requirements:

A Ph.D. in computer science or a related field is required; however, ABD with teaching and research experience will be considered. Rank will be commensurate with experience and qualifications and a tenure-track position will be considered. Applicants must be able to provide proof of eligibility to work in the United States. The University will not assist applicants with any visa matter. A background check will be required.

### Application Instructions:

Applicants should submit a cover letter, curriculum vita, unofficial transcripts, teaching statement, research interest statement, and 3 letters of reference. The cover letter should explicitly address the candidate's potential for and experience in developing and growing a computer science program. The teaching statement should explicitly address the candidate's interest and experience in teaching and mentoring a diverse student body at a liberal arts women's University, and students in a coed online program. Please visit <http://msmu.interviewexchange.com/jobofferdetails.jsp?JOBID=78539> for additional information.

EEO Employer/Veterans/Disabled

# Professional Opportunities

## New York Institute of Technology

*Assistant Prof. of Computer Science RA #2644  
Data Science*

New York Institute of Technology (NYIT) School of Engineering and Computing Sciences seeks an Assistant Professor in Computer Science, more specifically in Data Science and Computation, including data analytics, machine learning, visualization, artificial intelligence, and natural language processing (full-time, tenure-track; Manhattan Campus).

Candidates must have a Ph.D. degree in Computer Science, or related area, excellent communication skills, and a solid publication record. Candidates must demonstrate an innovative research record and/or industrial experience, and potential for securing sponsored research, contracts and external grants. Successful candidates will share our vision to grow the School of Engineering and Computing Sciences into a leader in applied research and a premier source of student talent in the New York Metropolitan Area and globally.

For consideration, e-mail your curriculum vitae, cover letter, a representative publication, and research and teaching statements to [Jobs.SOECS.RA2644@nyit.edu](mailto:Jobs.SOECS.RA2644@nyit.edu).

Please reference job code RA #2644 in your subject line.

NYIT is an AA/EEO institution.

## New York Institute of Technology

*Assistant Prof. of Electrical & Computer Engineering RA #2646 Signal Processing*

New York Institute of Technology (NYIT) School of Engineering and Computing Sciences seeks an Assistant Professor in Electrical and Computer Engineering (full-time, tenure-track; Old Westbury campus). Areas of research include Signal

Processing and Analysis/Machine Learning/Pattern Recognition.

Candidates must have a Ph.D. degree in Electrical and Computer Engineering or related area, excellent communication skills, and a solid publication record. Commitment to teaching and research at the undergraduate and graduate levels is required. Candidates must demonstrate an innovative research record and/or industrial experience, and potential for securing sponsored research, contracts and external grants. Successful candidates will share our vision to grow the School of Engineering and Computing Sciences into a leader in applied research and a premier source of student talent in the New York Metropolitan Area and globally.

For consideration, e-mail your curriculum vitae, cover letter, and research and teaching statements to [Jobs.SOECS.RA2646@nyit.edu](mailto:Jobs.SOECS.RA2646@nyit.edu).

Please reference job code RA # 2646 in your subject line.

NYIT is an AA/EEO institution.

## New York Institute of Technology

*Assistant Prof. of Electrical & Computer Engineering RA #2648 Bioengineering/  
Microelectronics*

New York Institute of Technology (NYIT) School of Engineering and Computing Sciences seeks an Assistant Professor in Electrical and Computer Engineering (full-time, tenure-track; Manhattan campus). Candidates will be expected to perform high-level research in the areas of flexible or printed electronics, thin film and 2D biomaterials, advanced bio-manufacturing, nano-biotechnology, biomedical instrumentation and micro/nano devices for biomedical applications.

Candidates must have a Ph.D. degree in Electrical and Computer Engineering,

Biomedical Engineering or related area, excellent communication skills, and a solid publication record. Commitment to teaching and research at the undergraduate and graduate levels is required. Candidates must demonstrate an innovative research record and/or industrial experience, and potential for securing sponsored research, contracts and external grants. Successful candidates will share our vision to grow the School of Engineering and Computing Sciences into a leader in applied research and a premier source of student talent in the New York Metropolitan Area and globally.

For consideration, e-mail your curriculum vitae, cover letter, and research and teaching statements to [Jobs.SOECS.RA2648@nyit.edu](mailto:Jobs.SOECS.RA2648@nyit.edu)

Please reference job code RA # 2648 in your subject line.

NYIT is an AA/EEO institution.

## New York University

*Clinical Assistant / Associate Professor Position*

The Computer Science Department of the Courant Institute of Mathematical Sciences, New York University, invites applications for a full-time Clinical Assistant or Associate Professor position. This is a full-time non-tenured, non-tenure-track three-year contract faculty position which is potentially renewable. The appointment can begin as early as September 1, 2017, pending administrative and budgetary approval. The successful applicant will teach three courses during each of the fall and spring semesters in the department's undergraduate or graduate program and will be expected to also participate in curricular development, program administration, and other educational activities.

# Professional Opportunities

To apply, please arrange for a CV and for three letters of recommendation to be sent by email to [jobs@cs.nyu.edu](mailto:jobs@cs.nyu.edu). Applicants should have an M.S. or Ph.D. in Computer Science or a related field. To guarantee full consideration, complete applications should be received by January 17, 2017. However, all candidates will be considered to the extent feasible until the position is filled.

The Faculty of Arts and Science at NYU is at the heart of a leading research university that spans the globe. We seek scholars of the highest caliber, who embody the diversity of the United States as well as the global society in which we live. We strongly encourage applications from women, racial and ethnic minorities, and other individuals who are under-represented in the profession, across color, creed, race, ethnic and national origin, physical ability, gender and sexual identity, or any other legally protected basis. NYU affirms the value of differing perspectives on the world as we strive to build the strongest possible university with the widest reach. To learn more about the FAS commitment to diversity, equality and inclusion, please read <http://as.nyu.edu/page/diversityinitiative>.

EOE/Affirmative Action/Minorities/Females/Vet/Disabled/Sexual Orientation/Gender Identity

## New York University

*Department of Psychology and NYU Center for Data Science Arts and Science*

*Open-Rank Position in Cognition and Perception*

The Department of Psychology and the Center for Data Science (CDS) at New York University invite applications for an open rank tenure-track faculty position. The position is to be shared between the two departments. The anticipated start date is September 1, 2017, pending budgetary and administrative approval.

We seek applicants who can help advance data-intensive and computationally

sophisticated psychological science at NYU. Successful applicants will contribute to research and teaching in the following example areas: (1) Utilization of new methods and technologies for studying human behavior, including naturalistic datasets capturing real-world interactions; (2) New computational techniques for modeling human behavior, such as disentangling causal from correlational patterns, for dealing with unstructured and noisy data, and for improving the quality of statistical inference (e.g., new algorithms from statistics and machine learning); (3) The development of new technical infrastructure that can shed insight into human behavior including the design of novel experimental approaches to the study of behavior; (4) Establish deeper connections between human and machine approaches to extracting knowledge from data, potentially leading to new technologies for studying the mind and new algorithms for data science informed by psychological research (e.g., artificial intelligence and machine learning). Applicants that bridge between the existing research strengths of the Psychology Department and the Center for Data Science are encouraged. In addition to advancing a research program capable of attracting outside funding; applicants will be expected to contribute to the teaching missions of both the Psychology department and the Center for Data Science.

Job Openings" links on either the NYU Psychology Department (<http://www.psych.nyu.edu>) or Center for Data Science (<http://cds.nyu.edu>) web sites. Review of applications will begin Jan 15th, 2017 and will continue until the position is filled. Applications should include CV, statement of research (no more than four pages) and teaching interests (no more than two pages), at least three representative publications, and at least three letters of reference.

The Faculty of Arts and Science at NYU is at the heart of a leading research university that spans the globe. We seek scholars

of the highest caliber, who embody the diversity of the United States as well as the global society in which we live. We strongly encourage applications from women, racial and ethnic minorities, and other individuals who are under-represented in the profession, across color, creed, race, ethnic and national origin, physical ability, gender and sexual identity, or any other legally protected basis.

NYU affirms the value of differing perspectives on the world as we strive to build the strongest possible university with the widest reach. To learn more about the FAS commitment to diversity, equality and inclusion, please read <http://as.nyu.edu/page/diversityinitiative>.

EOE/AA/Minorities/Females/Vet/Disabled/  
Sexual Orientation/Gender Identity.

## New Jersey Institute of Technology

*Tenure-track Assistant Professor*

The Department of Computer Science at New Jersey Institute of Technology seeks candidates to fill multiple tenure-track positions at the Assistant Professor rank in any area of computer science starting from Fall 2017. Areas of special interests are:

Area 1: Operating systems, networking/Internet of Things, and cybersecurity.

Area 2: Algorithms, computer graphics, and virtual reality.

While we expect that the hiring will be at the rank of Assistant Professor, exceptional candidates at higher ranks will be considered.

The successful candidate will contribute to and enhance existing research and educational programs that relate to the areas of our special interests. The ability to secure external funding is critical.

The successful candidates will (1) teach undergraduate and graduate classes as directed by the Department Chair, (2) develop

# Professional Opportunities

an externally funded and internationally recognized research program; (3) supervise graduate students; (4) develop and teach new graduate and/or undergraduate classes and (5) provide service to the Department, the College and the University.

Applicants must have a Ph.D. degree by summer 2017 in a relevant discipline with outstanding academic credentials that demonstrate their ability to conduct independent and successful world-class research, and a commitment to both undergraduate and graduate education.

At the university's discretion, the education and experience prerequisites may be excepted, where the candidate can demonstrate to the satisfaction of the university, an equivalent combination of education and experience specifically preparing the candidate for success in the position.

To apply, please visit <https://njit.jobs> and search for the corresponding posting:

Area 1: Posting # 0603534

Area 2: Posting # 0603535

To build a diverse workforce, NJIT encourages applications from individuals with disabilities, minorities, veterans and women. EEO employer.

## North Carolina State University

### Security/Privacy Faculty Position

The Department of Computer Science at North Carolina State University (NCSU) seeks to fill a tenure-track faculty position in the area of Security and/or Privacy starting August 16, 2017.

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

field. Candidates with exceptional research records of all levels are encouraged to apply. The department is one of the largest and oldest in the country. It is part of a top US College of Engineering, and has excellent and extensive ties with industry and government laboratories. The department's research expenditures are amongst the top in the nation with recognition of our impact in the areas of security, systems, software engineering, educational informatics, networking, and games. For example, we have one of the largest concentrations of NSF Early Career Award winners (24 of our current or former faculty have received one).

NCSU is located in Raleigh, the capital of North Carolina, which forms one vertex of the world-famous Research Triangle Park (RTP). RTP is an innovative environment, both as a metropolitan area with one of the most diverse industrial bases in the world, and as a center of excellence promoting technology and science. The Research Triangle area is routinely recognized in nationwide surveys as one of the best places to live in the U.S. We have the diversity normally associated with a much larger city, while enjoying outstanding public schools, affordable housing, and great weather, all in proximity to the mountains and the seashore.

Applications will be reviewed as they are received. The positions will remain open until suitable candidates are identified. Applicants are encouraged to apply by January 1, 2017. Applicants should submit the following materials online at <http://jobs.ncsu.edu> (reference position number 00001093) cover letter, curriculum vitae, research statement, teaching statement, and names and complete contact information of four references, including email addresses and phone numbers. Candidates can obtain information about the department and its research programs, as well as more detail about the position advertised here at <http://www.csc.ncsu.edu>. Inquiries may be sent via email to [security-search@csc.ncsu.edu](mailto:security-search@csc.ncsu.edu).

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

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

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

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

## Northwestern University

### Computer Science Faculty of Instruction

The Department of Electrical Engineering and Computer Science at Northwestern University invites applications for a non-tenure-track Professor of Instruction position in Computer Science. The successful applicant will be one who is an extraordinary teacher and mentor. They will bring not only strong and deep knowledge of Computer Science but also passion in their desire 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.

# Professional Opportunities

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 references who will offer letters of recommendation 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 <http://www.mccormick.northwestern.edu/eecs/careers.html>.

For general questions about the search or application assistance post submission, contact [facsearch@eecs.northwestern.edu](mailto:facsearch@eecs.northwestern.edu). Review of materials will begin on November 15, 2016, and applicants are strongly encouraged to submit their materials before that date. Applications received after that date will be considered on a rolling basis.

Minorities and women are urged to apply. Northwestern University is an Equal Opportunity, Affirmative Action employer. Hiring is contingent upon eligibility to work in the United States. Northwestern University is located in an attractive lakefront community adjacent to Chicago. For more information about the McCormick School of Engineering and Applied Science at <http://www.mccormick.northwestern.edu/>.

## Northwestern University

*Assistant or Associate Professor of Computer Science*

Northwestern University has recently announced a substantial commitment to grow and transform Computer Science. We will add twenty new tenure-track faculty in the next five years—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, in all areas and at all levels, with a clear passion to shape the future of Computer Science, and who are excited by the opportunity to help build that future at a great University.

As part of this plan, the Computer Science Division / EECS Department at Northwestern invites candidates to apply for a new position as Professor of Computer Science at the Assistant or Associate Professor level. We seek outstanding young faculty in all areas of Computer Science. Priority will be given to applicants with pathbreaking 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 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 submit applications as soon as possible. Applications received by January 1, 2017 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 [facsearch@eecs.northwestern.edu](mailto:facsearch@eecs.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.

## Northwestern University

*Peter & Adrienne Barris Professor of Computer Science*

Northwestern University has recently announced a substantial commitment to grow and transform Computer Science. We will add twenty new tenure-track faculty in the next five years—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, in all areas and at all levels, with a clear passion to shape the future of Computer Science, and who are excited by the opportunity to help build that future at a great University. As part of this plan, the Computer Science Division / EECS Department at Northwestern invites candidates to apply for a new position as the Peter and Adrienne Barris Professor of Computer Science at the Full or Associate Professor level. We seek candidates in all areas with a strong track record of intellectual leadership and a clear future research agenda. Priority will be given to applicants with pathbreaking 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 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 submit applications as soon as possible. Applications received by January 1, 2017 will be given full consideration. However,

# Professional Opportunities

the position 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 [facsearch@eecs.northwestern.edu](mailto:facsearch@eecs.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.

## Northwestern University

### Assistant or Associate Professor of Computer Science & Statistics

Northwestern University has recently announced a [substantial commitment to grow and transform Computer Science](#). We will add **twenty** new tenure-track faculty in the next five years—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, in all areas and at all levels, with a clear passion to shape the future of Computer Science, and who are excited by the opportunity to help build that future at a great University.

As part of this plan, the Computer Science Division / EECS Department and the Statistics Department at Northwestern invite candidates to apply for a new joint position as **Professor of Computer Science and Statistics** at the Assistant or Associate Professor level. We are collaborating, together with Industrial Engineering and Management Sciences (IEMS), to create a multidisciplinary research group in the

areas of machine learning and data science. Building on existing strengths in applied AI, applied statistics, and optimization, as well as the recent creation of a Center for Optimization & Statistical Learning, the University is seeking to hire up to three new faculty in these areas this year.

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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.

## NYU Abu Dhabi

### Faculty Positions

The NYU Abu Dhabi Program in Computer Science expects to fill several tenure and tenure-track faculty positions beginning in

September 2017. Applicants are expected to be outstanding scholars with excellent track records in their field and participate in teaching at all levels from undergraduate to doctoral. New appointees will be offered competitive salaries and startup packages. New York University Abu Dhabi is located on Saadiyat Island, the cultural centerpiece of Abu Dhabi. We are specifically looking for candidates in one of the following areas:

**1. Cyber security.** We are looking for researchers with a strong experience building and deploying large- scale security solutions in the real world with a focus on systems security, network security, privacy, cryptography, and formal methods.

**2. Big Data.** We are looking for exceptional candidates in the areas of data science, interactive data analytics, big data systems and distributed systems, and database systems.

**3. Natural Language Processing and Machine Learning.** We are seeking candidates with extensive research experience in any sub area of natural language processing and computational linguistics (machine translation, information retrieval, data mining, information extraction, parsing, text analytics, etc.). We are particularly interested in people with strong machine learning research agendas, from statistical models to neural networks.

Successful candidates will find a congenial research environment that includes supportive and highly motivated colleagues and broad opportunities for interdisciplinary research across the different campuses of the NYU system.

The terms of employment are highly competitive. Appointments can begin as soon as September 1, 2017, but candidates may elect to start as late as September 1, 2018.

*Review of applications will begin December 15, 2016.* Candidates should submit a curriculum vitae, statements

# Professional Opportunities

of teaching and research interests (not to exceed three pages each), no more than three representative publications and three letters of reference in PDF format to be considered. Please visit our website at <http://nyuad.nyu.edu/human.resources/open.positions.html> for instructions and other information on how to apply. If you have any questions, please e-mail [nyuad.science@nyu.edu](mailto:nyuad.science@nyu.edu).

## About NYUAD:

New York University has established itself as a Global Network University. The network has three foundational degree-granting campuses: New York, Abu Dhabi, and Shanghai, complemented by a network of eleven research and study-away sites across five continents. Our students are drawn from around the world and surpass all traditional recruitment benchmarks, both US and global. Our goal is to develop a cohort of international students attuned to and educated for an inclusive global society. Students and Faculty will circulate within the global network in pursuit of common research interests and the promotion of cross-cultural and interdisciplinary solutions for problems both local and global.

Entering its seventh year, NYU Abu Dhabi has recruited a cohort of faculty who are distinguished in their research and teaching. NYU Abu Dhabi's highly selective liberal arts enterprise is complemented by an institute for advanced research, sponsoring cutting-edge projects across the Arts, Humanities, Social Sciences, Sciences, and Engineering.

EOE/AA/Minorities/Females/Vet/Disabled/Sexual Orientation/Gender Identity Employer

## Oberlin College

*Faculty of Computer Science, 2 Full-time Tenure Track*

The Department of Computer Science at Oberlin College invites applications for 2 full-time, tenure-track faculty positions starting in the Fall of 2017. We are seeking candidates with teaching and research interests specific

to Software Systems (Compilers, Operating Systems, Networks, Databases, or a related field). For a second position, we are seeking candidates with teaching and research interests in any area of Computer Science. Applicants at all ranks will be considered. Review of applications will begin immediately and will continue until the positions are filled. Completed applications received by November 10, 2017 will be given full consideration.

For full job descriptions and to apply go to Academicjobsonline.org at following links:

- Systems Position: <https://academicjobsonline.org/ajo/jobs/8233>
- Open Area Position: <https://academicjobsonline.org/ajo/jobs/8235>

Oberlin College is an EEO/AE Employer for more information, go to <http://new.oberlin.edu>.

## Oberlin College

*Faculty of Computer Science, Theory and Algorithms*

The Department of Computer Science at Oberlin College invites applications for a full-time, tenure-track faculty position starting in the Fall of 2017 with teaching and research interests specific to Theory and Algorithms. Applicants at all ranks will be considered. Review of applications will begin immediately and will continue until the position is filled. Completed applications received by January 8, 2017 will be given full consideration.

For full job description and to apply go to: <https://academicjobsonline.org/ajo/jobs/8500>

Oberlin College is an EEO Employer. For more information, go to <http://new.oberlin.edu>

## Ohio State University

*Assistant Professor of Practice, Computer Science and Engineering*

The Computer Science and Engineering Department at The Ohio State University

seeks to fill one Assistant Professor of Practice clinical-track position starting in Autumn 2017. Highly qualified applicants at more senior levels will also be considered. This is a full-time, non-tenure-track three-year faculty position which is renewable.

Clinical-track faculty members in the Department will develop, enhance, and teach courses across the computer science curriculum, in particular those emphasizing professional computing practices and practical design and implementation projects such as junior project courses and capstone design courses; and work on innovative projects, as part of independent studies with individual students, at the undergraduate and/or MS level. Clinical faculty may also collaborate on and/or lead research and development projects, including collaborations with industry, and large-scale research and development projects, as well as education-oriented projects.

**Required:** Applicants must have a Ph.D. in Computer Science or closely related field, or equivalent professional experience. Additional details on expected qualifications are available at [cse.osu.edu/department/faculty-recruiting](http://cse.osu.edu/department/faculty-recruiting).

To apply, please arrange for a CV and three letters of recommendation to be sent by email to [fsearch@cse.ohio-state.edu](mailto:fsearch@cse.ohio-state.edu). Review of applications will begin on January 1, 2017 and will continue until the position is filled.

The Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or gender identity, national origin, disability status, or protected veteran status.

# Professional Opportunities

**NYU****TANDON SCHOOL  
OF ENGINEERING**

As part of a major multi-year growth plan, the ECE Department of Tandon School of Engineering of New York University has multiple open faculty positions. One position is in the area of Cybersecurity (with a focus on network security). Outstanding applicants for tenure-track or tenured faculty appointments are invited. Candidates with a strong record of interdisciplinary research and the potential to develop a world-class research program are preferred. Candidates must have a PhD degree in ECE, CS or related disciplines and must have the ability to develop and lead high-quality research and attract external funding. The successful candidate is expected to collaborate with faculty in several world-class research centers at NYU school of engineering, including cyber security ([cyber.nyu.edu](http://cyber.nyu.edu)), networking ([catt.nyu.edu](http://catt.nyu.edu)) and wireless communications ([nyuwireless.com](http://nyuwireless.com)), on security challenges of various emerging systems, including but not limited to, Internet-of-Things, Cloud and Data Center, Software-defined Networks, 5G Communication and Networking, etc. In addition to collaborators within NYU, faculty have the ability to work with other corporate research labs in the area, e.g., Bell Labs and IBM, and interact with banks and other major Fortune 500 cybersecurity customers. Research institutions and federal agencies from Boston to Washington DC are within easy commuting distance.

Applicants should include a cover letter, current resume, research and teaching statements, and letters from at least three references. All application materials should be submitted electronically.

**Applications received by Jan 15, 2017 will receive full consideration.**

More information about our department can be found at <http://engineering.nyu.edu/academics/departments/electrical>, and information about our qualifications and required materials can be found at <http://engineering.nyu.edu/academics/departments/electrical/faculty-search>.

# Professional Opportunities

## The Ohio State University

### Faculty position, Cyber-security and Mobility

The Ohio State University invites applications on for a faculty position in Mobility and Security in the Department of Electrical and Computer Engineering. Both senior and junior candidates will be considered. A successful faculty candidate is expected to have research experience in one of these general fields: cybersecurity, mobile computing, and computer architecture. Areas of additional interest include, but are not limited to: cybersecurity (including hardware-enable security), mobile computing, computer architecture and systems, cloud computing, Internet of things, data center management, embedded and real-time systems, and energy-efficient computer designs.

For additional information and the required application materials, please see <https://ece.osu.edu/about/employment>

## Old Dominion University

### Chair of the Department of Computer Science

Old Dominion University invites applications for the position of Chair of the Department of Computer Science in the College of Sciences. We seek an internationally recognized scholar with demonstrated excellence in research and teaching, substantial and consistent peer-reviewed research grant funding, and a strong commitment to educational programs at the undergraduate and graduate level. The successful candidate will have a Ph.D. in Computer Science or a related discipline, will provide leadership to further enhance the Department's excellent research and educational programs, and will have a strong commitment to mentoring junior faculty and postdoctoral fellows, and to teaching graduate and undergraduate students. The appointment will be at the rank of Professor with tenure, with a competitive salary. Current research areas span a wide range, with established strengths in areas including big data, bioinformatics, digital libraries and web

science, high-performance computing, medical image computing, mobile and sensor networks and a rapidly expanding interdisciplinary program in cybersecurity (see <http://www.cs.odu.edu> for more information).

The Department of Computer Science has 16 tenured or tenure-track faculty, 6 lecturers, and 6 adjunct faculty. The faculty has research grant support from NSF, NIH, NASA, DoD, and other agencies and ranks in the top 25% in terms of R&D expenditures among Computer Science departments. The Department Sciences receives substantial support from state funds, from research grants from federal and other agencies and from endowment income funds. A vibrant graduate program includes 145 graduate students (45 Ph.D. and 100 M.S.) and the undergraduate program has more than 600 majors. Excellent collaborative research opportunities are available at nearby NASA Langley Research Center, Thomas Jefferson National Accelerator Facility, National Institute of Aeronautics, Eastern Virginia Medical School, and the Virginia Modeling Analysis and Simulation Center.



robotics, industrial robotics, advanced manufacturing, robotic systems control, and other areas.

Apply at: <http://jobs.oakland.edu/postings/9589>. Applicants must have an earned Ph.D. degree or nearing completion of their doctoral studies in Electrical Engineering or related fields. Research and teaching with commitment to excellence is required. The successful candidates will be expected to teach and develop undergraduate and graduate courses and laboratories, initiate and integrate strong research programs, direct graduate students, and attract external research funding.

*OU is a Ph.D. offering public institution located in southeastern Michigan at the intellectual center of the Automotive Industry, adjacent to the Oakland Technology Park, and within the Oakland County Automation Alley. OU offers an exemplary fringe benefit package. The ECE Department has 17 tenure track faculty members and a special instructor, and offers BSE, MS, and Ph.D. programs. For full consideration applications should be submitted by February 25, 2017. Review will continue until the position is filled. Oakland University is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.*

# Professional Opportunities

Located in Norfolk, Virginia, Old Dominion University ([www.odu.edu](http://www.odu.edu)) is a state supported, Carnegie Doctoral/Research Extensive institution with approximately 25,000 students and over 830 full-time faculty. Norfolk is a culturally rich, historic city and a major international maritime center in Hampton Roads, a seven-city metropolitan area of over 1.5 million people.

Interested candidates should submit a curriculum vitae, a letter of interest addressing the qualifications noted above, and contact information for four professional references to Dr. John Klinck, Computer Science Search Committee Chair at <https://jobs.odu.edu/>. The review of applications will begin December 15, 2016 and continue until the position is filled.

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

## Portland State University

Maseeh College of Engineering & Computer Science

Assistant Professor of Computer Science

The Computer Science Department at Portland State University (PSU) invites applications for a tenure-track faculty position at the assistant professor level, to begin Fall 2017. Exceptional applicants at other ranks will also be considered.

The department currently has twenty-two tenure-track faculty members, including three NSF CAREER Award winners and two ACM Fellows. The department offers an ABET-accredited B.S., both a thesis and a non-thesis M.S., and a Ph.D. in Computer Science. The department currently serves approximately 800 undergraduates and 130 graduate students. Our teaching loads give faculty time to maintain funded research programs. Further information about the department is available at <http://cs.pdx.edu>.

PSU is the largest urban university in Oregon and is known nationally for its community engagement and sustainability initiatives. Its campus in downtown Portland is well served by public transit and offers proximity to world-class restaurants, cultural venues and outdoor activities. PSU's urban setting provides a living laboratory for research and easy access to collaborations in industry, academia and government. Current local collaborations include Intel, Oregon Health & Science University, and Oregon Department of Transportation. Portland is the home of a burgeoning software industry, including Puppet Labs, Urban Airship, Elemental Technologies, Janrain, and Webtrends.



**Olin College**  
of Engineering  **faculty search**

## At Olin

**Olin College of Engineering, located in the greater Boston area in Needham, MA, seeks enthusiastic applicants for faculty positions at all ranks in computer science, software engineering, computational science and engineering, or related areas.** Olin is committed to an inclusive and diverse environment, and we strongly encourage individuals from historically underrepresented communities and women to apply.

## Computing

**Computing plays a vital role at Olin.** From the first semester course on modeling and simulation to the year-long industry-sponsored senior capstone project, from our active research communities in areas such as robotics and assistive technologies to our deployed innovations in the developing world, our students learn the tools and practices of computing and apply them to real world problems.

## Is Everywhere

We seek applicants who bring expertise in computer science, software engineering, computational science and engineering, or related disciplines. We are particularly excited about individuals who can articulate a vision for innovating in our computing-focused course offerings, for strengthening connections between computing and other parts of the Olin curriculum, and for involving students in their externally-facing professional work (e.g., research, entrepreneurship, consulting).

 **If you are passionate about integrating computing throughout the curriculum and beyond, we would love to hear from you.** We encourage applicants to apply by December 5, 2016, and applications will be considered as they are received. Please submit materials online: <http://bit.ly/OlinSearch>.

**Olin College is an Equal Opportunity Employer.** We specifically invite applicants who can contribute to a diverse, inclusive community.



# Professional Opportunities

## Qualifications

Specific areas of computer science under consideration are: machine learning; data mining; data intensive systems; or more generally data science. Applicants are expected to hold or be near completion of a Ph.D. in Computer Science or other relevant field. Non Ph.D. applicants will be required to have completed the Ph.D. by September 01, 2017.

## Job Specifications

The faculty member will maintain scholarly activity in funded research and publications; teach undergraduate and graduate classes; provide professionally related public service; advise students, and support University activities through committee service.

## To Apply

For more information and for instructions on how to apply, please visit <https://jobs.hrc.pdx.edu/postings/21489>. For inquiries about this position, please contact [cssearch@cs.pdx.edu](mailto:cssearch@cs.pdx.edu). Review of applications will begin immediately and will continue until finalists are identified.

*Portland State University is an Affirmative Action, Equal Opportunity Institution and welcomes applications from diverse candidates and candidates who support diversity.*

## Princeton University

### Assistant Professor Positions in Computational Biology Available at Princeton University

The Lewis-Sigler Institute for Integrative Genomics at Princeton University invites applications for tenure-track faculty positions at the Assistant Professor Level. We are seeking outstanding scientists in the areas of bioinformatics, computational biology or biostatistics. The successful candidate would have an established track record of collaborative research with experimental biologists. We are particularly keen to recruit faculty who will extend

and complement our existing strengths in bioinformatics and biostatistics.

The Lewis-Sigler Institute for Integrative Genomics, housed in the Carl Icahn Laboratory at Princeton University, was established to innovate in research and teaching at the interface of modern biology and the more quantitative sciences. The Institute provides significant support to its faculty through heavy investment in state-of-the-art infrastructure, an NIH-funded graduate training program, and a high level of administrative support.

Faculty positions are jointly appointed in one of the following academic departments at Princeton: Computer Science, Ecology and Evolutionary Biology, Physics, Chemistry, Chemical and Biological Engineering, or Molecular Biology. These joint faculty positions offer significant benefits in terms of infrastructure, research funds, and collaborative opportunities, as well as an opportunity to interact with unusually able and interdisciplinary students. The successful candidate will have research laboratories at the Institute, and teaching responsibilities (both graduate and undergraduate) will be shared between the Institute and the home department.

## Essential Qualifications

All applicants must have a Ph.D., M.D., or equivalent degree. In addition, applicants must have a very strong record of research productivity, demonstrate the ability to develop a rigorous research program, and be committed to teaching at both the undergraduate and graduate levels.

## How to Apply

Applications must be submitted online at <http://jobs.princeton.edu>, requisition #1600658 ([jobs.princeton.edu/applicants/Central?quickFind=68888](http://jobs.princeton.edu/applicants/Central?quickFind=68888)) and should include a cover letter, curriculum vitae, a two-page research description, as well as contact information for at least three

references. Applications will start being reviewed beginning on December 1, 2016.

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

## Princeton University

### Associate and Full Professor

The Department of Computer Science at Princeton University invites applications at the Associate and 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.

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. Applicants should include a CV 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, 2016, though we will continue to review applications past that date.

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

# Professional Opportunities

You may apply online at: <https://jobs.cs.princeton.edu/senior/>

Requisition Number:1600784

## 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.

A PhD in Computer Science or a related area is required. Candidates should expect to receive their PhD before Fall 2017. Successful candidates are expected to pursue an active research program and to contribute significantly to the teaching programs of the department. Applicants should include a CV 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, 2016, though we will continue to review applications past that date.

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

Requisition Number:1600774

You may apply online at: <http://jobs.cs.princeton.edu/junior/>.

## Princeton University

### Postdoctoral Research Associate- Theoretical Computer Science

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 starting in September 2017 with the possibility of renewal. 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, 2016, though we will continue to review applications past that date. Applicants should apply to: <http://jobs.princeton.edu/> 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.

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

Requisition Number: 1600886

## Princeton University

### Research Instructorships in Theoretical Aspects of Computer Science

The Department of Computer Science at Princeton University, in collaboration with the Institute for Advanced Study, offers two 3-year positions for outstanding new Ph.D.'s working in theoretical aspects of computer science, including machine learning. Combining research with teaching duties, these positions come with attractive benefits and working conditions. Typically, the first and third years of these

appointments are spent at Princeton University and the second year is spent conducting research (without teaching duties) at the Institute for Advanced Study. These arrangements are flexible.

The typical teaching load in the first year of the position is a single one-semester course. The IAS has no teaching duties.

For full consideration applicants should apply by December 1, 2016, though late applications may be reviewed when needed.

Candidates are expected to complete a PhD in Computer Science or a related field by July 1, 2017 for a September 2017 start. Please include a CV, research statement, teaching statement, and 3 letters, of which one should address teaching abilities.

Candidates who have already applied for postdoctoral positions at Princeton University or the Institute for Advanced Study need to apply separately for these positions.

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

Apply online at: <https://jobs.princeton.edu>

Requisition number: 1600891

## Purdue University

### Department of Computer Science Tenure- Track/Tenured Faculty Positions

The Department of Computer Science at Purdue University is in a phase of significant growth. Applications are solicited for seven tenure-track and tenured positions at the Assistant, Associate and Full Professor levels. Outstanding candidates in all areas of

# Professional Opportunities

computer science will be considered. Review of applications and candidate interviews will begin in October 2016, and will continue until the positions are filled.

The Department of Computer Science offers a stimulating academic environment with research programs in most areas of computer science. Information about the department and a description of open positions are available at <http://www.cs.purdue.edu>.

Applicants should hold a PhD in Computer Science or a related discipline, have demonstrated excellence in research, and 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 other department and university activities. Salary and benefits are competitive, and Purdue is a dual-career friendly employer. Applicants are strongly encouraged to apply online at <https://hiring.science.purdue.edu>. Alternatively, hardcopy applications can be sent to: Faculty Search Chair, Department of Computer Science, 305 N. University Street, Purdue University, West Lafayette, IN 47907. A background check will be required for employment in this position.

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

## Purdue University

### Faculty Openings in Next Generation Manufacturing and Enabling Methodologies

Purdue University has identified Next Generation Manufacturing as a major thrust for cross-disciplinary research and education. Our effort is in consonance with the national initiative to re-invigorate American manufacturing industry, stimulate economic development, and accelerate

innovation. We are currently accepting applications for tenure-track and tenured positions at the Assistant/Associate/Full Professor levels in areas related to next generation manufacturing and enabling methodologies.

Purdue's Next Generation Manufacturing initiative aims to combine latest advances in tailored materials and novel manufacturing processes; multi-scale modeling of products, services and systems; and, on-demand, customer-driven product and supply-chain design enabled by ubiquitous cyberinfrastructure to sustainably deliver personalized products, anywhere, anytime, with the efficiency of mass production. This effort builds on Purdue's core strengths in the Colleges of Engineering and Science, the Purdue Polytechnic Institute, the Krannert School of Management, and Discovery Park, and leverages its participation in federal manufacturing initiatives.

We invite applications from candidates with research and teaching interests aligning with this initiative. Specific research fields of interest in the cluster include, but are not limited to: i) large-scale optimization, ii) cyber-enabled experimentation, iii) multi-scale predictive modeling, iv) scaling principles for novel materials and processes, v) personalization of products and services, and vi) social manufacturing.

Successful candidates will join a strong manufacturing faculty group on campus, and will have a unique opportunity to help shape Purdue's vision and research/education agenda in manufacturing. Candidates must hold a Ph.D. or equivalent degree in a field of Engineering, Management, Science, Technology or areas related to manufacturing. They should have a distinguished academic record, exceptional potential for world-class research, and a commitment to teaching and collaborative interdisciplinary activities.

The successful candidates will conduct original research, will advise graduate students, will teach undergraduate and graduate level courses, and will 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 primary faculty appointment will be in the Colleges of Engineering or Science or the Purdue Polytechnic Institute or the Krannert School of Management and will depend on the candidate's qualifications; cross-department/school/college appointments are anticipated.

Submit applications online at <https://engineering.purdue.edu/Engr/AboutUS/Employment/Applications>, including curriculum vitae, teaching and research plans, and names of four references. For information / questions regarding applications contact the Office of Academic Affairs, College of Engineering, at [coeacademicaffairs@purdue.edu](mailto:coeacademicaffairs@purdue.edu). Review of applications will begin on November 1, 2016, and will continue until positions are filled. A background check will be required for employment in this position.

Purdue's main campus is located in West Lafayette Indiana, a welcoming and diverse community with a wide variety of cultural activities and events, industries, and excellent schools. Purdue and the College of Engineering have a Concierge Program to assist new faculty and their partners regarding dual career needs and facilitate their relocation.

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

# Professional Opportunities

## Queens College of CUNY

### Tenure-Track Assistant Professor

The Department of Computer Science at Queens College of CUNY is accepting applications for a tenure-track position in Cybersecurity at the Assistant Professor level starting Fall 2017.

Consult <http://www.cs.qc.cuny.edu> for further information.

## Queensborough Community College

### Instructor or Assistant Professor - Math and Computer Science

The Department of Mathematics and Computer Science at Queensborough Community College is seeking applications to a position in the title of Instructor or Assistant Professor to start in Fall 2017.

For additional details please visit:

[https://home.cunyfirst.cuny.edu/psp/cnyepprd/GUEST/HRMS/c/HRS\\_HRAM.HRS\\_CE.GBL?Page=HRS\\_CE\\_JOB\\_DTL&Action=A&JobOpeningId=15806&SiteId=1&PostingSeq=1](https://home.cunyfirst.cuny.edu/psp/cnyepprd/GUEST/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_JOB_DTL&Action=A&JobOpeningId=15806&SiteId=1&PostingSeq=1)

## Rice University

### Tenured and Tenure Track Faculty in Data Sciences

As part of Rice University's recently announced \$150 million investment in research excellence, Rice intends to hire multiple faculty members whose research focus is in data science. We seek two distinct kinds of specialists: (1) data scientists who can make fundamental contributions to the theory, algorithms, and systems aspects of data science, and (2) scholars who work on emerging applications of data science to problems in **health and medicine, urban analytics, and high-volume or high-velocity data-**

**intensive.** A successful candidate might have demonstrated capacity in either of these specialties, or in both of them.

The Data Science initiative seeks candidates **at all ranks**, for employment as early as July 1, 2017. All new hires will have an appointment in one or more relevant department. Assistant Professors will have a single primary department that will be responsible for their mentoring and promotion. At higher ranks, appointments across multiple departments are desirable. Individual departments at Rice also have active faculty searches this year. Those searches are distinct from the Data Science search and may include research

areas beyond those included in the Data Science search. Interested candidates should consider applying to both the Data Science search and any appropriate departmental search.

Applicants to the Data Science search should submit the following: (1) cover letter; (2) curriculum vitae; (3) research statement which describes how the candidate's work fits with Rice's data science initiative (not to exceed three pages including figures); (4) teaching statement; and (5) the names, professional affiliations, and email addresses of three references. For full details and to apply, please visit: <http://datascience.rice.edu>. These positions



### Two Tenure-Track, Tenured Faculty Positions Department of Electrical and Computer Engineering Queen's University at Kingston

The Department of Electrical and Computer Engineering in the Faculty of Engineering and Applied Science at Queen's University invites applications for two Tenure-track or Tenured faculty positions with a specialization in the field of Computer Engineering Software, with priority areas in Software Engineering, Machine Learning, Autonomous and Intelligent Systems, Data Analytics and Big Data, and Mechatronics and will also consider exceptional candidates in other fields of Computer Engineering Software. Preference will be given to candidates at the rank of Assistant professor; however, exceptional candidates at the rank of Associate Professor may also be considered

The successful candidates must have a PhD in Electrical and Computer Engineering or a related discipline completed at the start date of the appointment. Licensure as a Professional Engineer in Canada, or eligibility to acquire licensure in Canada, is an essential requirement. Postdoctoral or industrial experience will be considered an asset.

Queen's University is one of Canada's leading research-intensive universities with a global reputation and a recognized leader in Canadian higher education. The Department of Electrical and Computer Engineering is medium-sized with 23 full-time and 12 cross-appointed faculty, 470 undergraduate students, and 170 graduate students. The department offers undergraduate, master's, and doctoral programs in electrical and computer engineering and has recently launched a unique entrepreneurial engineering program referred to as ECE Innovation Stream, ECEi.

The Department of Electrical and Computer Engineering is home to [Queen's Centre for Energy](#) and [Power Electronics Research \(ePOWER\)](#) and has connections to a number of multi-disciplinary centres such as: [Canadian Microelectronics Corporation \(CMC\)](#), [Human Mobility Research Centre](#), [Green Centre Canada](#), [Innovation Park](#), and [Queen's Innovation Connector](#).

Queen's historic campus is located in the heart of the vibrant Kingston community in the Thousand Islands region of South Eastern Ontario. Queen's is positioned centrally with respect to three major metropolitan areas: Toronto, Montreal, and Ottawa.

**The full posting**, including additional information and the requirements for submitting an application is available at <http://my.ece.queensu.ca/About-Us/Employment.html>. Inquiries can be sent to [ece-search@queensu.ca](mailto:ece-search@queensu.ca). The deadline for applications is **December 31, 2016**; however, applications will continue to be reviewed until the position has been filled.

# Professional Opportunities

require a PhD, or PhD requirements fulfilled by November 1 of the year employment commences. Applications will be evaluated beginning on October 1, 2016 and will continue to be accepted until all positions are filled. All candidates should apply at: <http://jobs.rice.edu/postings/8141>.

Recommendation of candidates or questions regarding this opportunity can be directed to the committee at [datascience@rice.edu](mailto:datascience@rice.edu).

Rice University, located in Houston, Texas, is a private, coeducational, nonsectarian university that aspires to path-breaking research, unsurpassed teaching, and contributions to the betterment of our world. Rice fulfills this mission by cultivating a diverse community of learning and discovery that produces leaders across the spectrum of human endeavor. From its beginning in 1912, Rice has been dedicated to excellence in all regards.

*Rice University is an Equal Opportunity Employer with commitment to diversity at all levels, and considers for employment qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national or ethnic origin, genetic information, disability or protected veteran status.*

## Rice University

### *Postdoctoral Research Associate Positions in Data Science*

The Departments of Statistics and of Computer Science at Rice University are seeking candidates for two postdoctoral research associate positions, as part of a recently awarded Research Training Groups in Mathematical Sciences (RTG) grant.

The successful candidates will work with faculty members and graduate students in both Statistics and Computer Science to develop innovative methodologies for data science. The positions will involve working closely with faculty members to

develop and teach a new course on data science that will be offered to graduate and advanced undergraduate students who participate in the Research Training Group. Highly motivated and qualified candidates with research experience in areas such as statistical inference and machine learning are encouraged to apply. A Ph.D. in Statistics, Computer Science, or related fields is required. This opportunity is restricted to U.S. citizens or Permanent Residents only.

Review of applications will begin immediately. To apply, please refer to <https://jobs.rice.edu/postings/8328>. Please submit a cover letter, a curriculum vita, a research statement, two representative publications, and contact information for three references. For more information, please contact Prof. Luay Nakhleh ([nakhleh@rice.edu](mailto:nakhleh@rice.edu)) or Prof. Marina Vannucci ([marina@rice.edu](mailto:marina@rice.edu)) for the computer science and statistics openings, respectively.

Rice University, located in Houston, Texas, is a private, coeducational, nonsectarian university. Rice University is an Equal Opportunity Employer with commitment to diversity at all levels, and considers for employment qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national or ethnic origin, genetic information, disability or protected veteran status.

## Rice University - Postdoctoral Position in Translational Bioinformatics

### *Rice University and MD Anderson Cancer Center*

The available project is on computational modeling of molecular interaction interfaces by integrating protein structural data mining and machine learning with applications to drug design. Recently, large-scale systems biology

platforms have been used to identify that, in contrast to common genomic variants, a significant fraction of disease-causing mutations tend to disrupt protein-protein interaction interfaces, a possible mechanism underlying human disease. Using integrative computational approaches, we seek to understand the fundamental genotype-phenotype relationships underlying human disease at the interaction interface level, aiming to stratify and functionalize genomic mutations to aid disease diagnosis and therapy in the era of precision medicine. In this project, we develop and implement a set of algorithms for the discovery of protein interaction interfaces from structures available in database such as PDB. We use machine learning methods to analyze the results.

Successful candidates will be supervised jointly by Dr. Lydia Kavraki at Rice University and Dr. Nidhi Sahni at the MD Anderson Cancer Center. The postdoctoral research will be performed in a highly interdisciplinary and collaborative environment with world-class experts and state-of-the-art technologies and facilities, which provide unique and ideal career development opportunities.

Due to restrictions in funding, only US Citizens or Green Card holders can apply. The position is available immediately.

## Qualifications and Application

The ideal candidate will have a strong enthusiasm for interdisciplinary work. Required skills include excellent analytical skills, experience with programming in C++, R, Python or Java and some exposure to structural biology. A Ph.D. is required for the position in a related field. In the past successful candidates had had degrees in Bioinformatics, Computer Science, Bioengineering, Biophysics, Computational Biology, Physics, and Chemistry. Prior experience with protein and nucleic acid

# Professional Opportunities

structural predictions and machine learning is a plus. Excellent communication and collaboration skills are required as the selected candidate will be expected to work closely with current lab members and with collaborators.

To indicate interest, please send a curriculum vitae including publications and the contact information of three references to Dr. Lydia Kavraki ([kavraki@rice.edu](mailto:kavraki@rice.edu)) and Dr. Nidhi Sahni ([nahsni@mdanderson.org](mailto:nahsni@mdanderson.org)). Applications will be accepted until the position is filled. Only US Citizens and Green Card Holders can apply due to restrictions in funding.

## Additional Information

Rice University is a leading research university in the vibrant urban setting of Houston, TX, the fourth largest city in the U.S. Rice is a small, private university with exceptional strengths in engineering, biomedicine, and nanotechnology.

MD Anderson Cancer Center ranks as No. 1 cancer hospital (US News & World Report), and also No. 1 in the number of awarded grants from National Cancer Institute. The two institutions are in close proximity.

## Rice University

### Tenure-Track Assistant Professor Positions and Non-Tenure-Track Teaching Faculty Positions

#### Tenure-Track Assistant Professor Positions

The Department of Computer Science at Rice University invites applications at the rank of tenure-track Assistant Professor. Strong applicants in all areas of computer science are encouraged to apply. Exceptional candidates at the Associate and Full Professor levels will also be considered. A commitment to excellence in both research and teaching is required for a tenure-track appointment, and teaching loads are low for tenure-track faculty

to accommodate time for research. The positions will start in July 2017. Applicants must hold a Ph.D. degree or equivalent in computer science or a related discipline, or must complete the Ph.D. by November 1 of the year employment commences. As part of its new Data Science Initiative, Rice University is conducting an independent search for data science candidates (see <http://datascience.rice.edu> for details). It is recommended that any applicant whose background overlaps with the CS search and the Data Science search apply to both searches.

Please submit a CV, a research statement, a statement of teaching interests, and the names and addresses of at least three references through the Department's website, <http://csfacultyapplications.rice.edu>. The application deadline for these positions is December 31, 2016. However, late applications may still be considered at the discretion of the faculty search committee. Please specify clearly in your cover letter that you are applying for a tenure-track faculty position. More information can be found on our web site, <http://www.cs.rice.edu>, or by contacting the Computer Science Department Administrator, Karen Lavelle, at [klavelle@rice.edu](mailto:klavelle@rice.edu).

#### Non-Tenure-Track Teaching Faculty Positions

The Department of Computer Science at Rice University invites applications for non-tenure-track full-time teaching faculty positions in the broad areas of software and algorithms. Responsibilities will include teaching freshman- and sophomore-level courses that use Python and Java, both on-campus and on-line, during the academic year. Opportunities for summer employment are also available through course development and/or research efforts. These positions will start in August 2017. Please submit a CV, a statement of teaching interests, and the names and

addresses of at least three references through the Department's website, <http://csfacultyapplications.rice.edu>. The deadline for applications for these positions is January 31, 2017. However, late applications may still be considered at the discretion of the faculty search committee. Please specify clearly in your cover letter that you are applying for a non-tenure-track teaching position. More information can be found on our web site, <http://www.cs.rice.edu>, or by contacting the Computer Science Department Administrator, Karen Lavelle, at [klavelle@rice.edu](mailto:klavelle@rice.edu).

Rice University is an Equal Opportunity Employer (Females/Minorities/Veterans/Disabled/Sexual Orientation/Gender Identity) located in Houston, Texas.

## Rutgers University

### Postdoctoral Associate

DIMACS, the Center for Discrete Mathematics and Theoretical Computer Science, invites applications for several postdoctoral associate positions for 2017-18. Applicants should be recent Ph.D.'s with interest in DIMACS areas, such as theoretical computer science, discrete mathematics, statistics, operations research, and their applications. Application review begins December 1, 2016.

For information see <http://dimacs.rutgers.edu/Applications/postdoc.html>.

DIMACS is an EO/AA employer.

# Professional Opportunities



**ROCHESTER INSTITUTE OF TECHNOLOGY**

Rochester, New York

**Computing and Information Sciences Multiple Openings for Fall 2017**

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:

- Tenure-track assistant professor in Computer Science: cluster hire in cybersecurity (#2768BR)
- Tenure-track assistant professor in Computing Security: cluster hire in cybersecurity (#2764BR)
- Tenure-track assistant professor in Computer Science: machine learning (#2753BR)
- Tenure-track assistant professor in Computer Science: systems with a focus on pervasive computing (#2754BR)
- Tenured/tenure-track assistant/associate/professor in Software Engineering: all areas (#2725BR)
- Tenured/tenure-track assistant/associate/professor in Software Engineering: all areas (#2729BR)
- Tenured/tenure-track assistant/associate/professor in Software Engineering: all areas (#2763BR)
- Tenure-track assistant professor in Software Engineering beginning January 2017: all areas (#2728BR)
- Tenure-track assistant professor in Information Sciences and Technologies: human-computer interaction or web and mobile computing (#2758BR)
- Lecturer in Information Sciences and Technologies to teach in the areas of data acquisition and analysis including networking, sensor networks, wearable computing, and data analytics (#2759BR)
- Lecturer in Computer Science to teach in the areas of introductory and core Computer Science (#2756BR)

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](http://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 3000 undergraduate students and 800 graduate students. The college, with over 140 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, Information Sciences and Technologies, Software Engineering, the School of Interactive Games and Media, and a college-wide PhD program, providing many opportunities for cooperation and research collaboration within and beyond the college.

RIT is a national leader in professional and career-oriented education. Talented, ambitious, and creative students of all cultures and backgrounds from all 50 states and more than 100 countries have chosen to attend RIT. Founded in 1829, Rochester Institute of Technology is a privately endowed, coeducational university with nine colleges emphasizing career education and experiential learning. With approximately 15,000 undergraduates and 3,200 graduate students, RIT is one of the largest private universities in the nation. RIT offers a rich array of degree programs in engineering, science, business, and the arts, and is home to the National Technical Institute for the Deaf. 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/TitleIX](#) or the U.S. Department of Education at [ED Gov](#)

# Professional Opportunities

## Rutgers University

### Tenure-Track Assistant Professor

The Computer Science Department at Rutgers University invites applications for several tenure-track Assistant Professor positions focusing on (a) Data Science and AI, and (b) Distributed Networks and Systems. Responsibilities include teaching undergraduate and graduate level courses

in various fields of Computer Science and supervision of PhD students based on funded projects. The appointments will start September 2017.

**Qualifications:** Applicants should show evidence of exceptional research promise with potential for external funding, and commitment to quality advising and teaching. Hired candidates must complete their Ph.D.

in Computer Science or a closely related field by August 31, 2017. Applications received by January 13, 2017 will be given priority.

To apply for the Data Science and AI positions, go to: [apply.interfolio.com/39330](http://apply.interfolio.com/39330). To apply for the Distributed Networks and Systems position, go to: [apply.interfolio.com/39389](http://apply.interfolio.com/39389).

If you have further questions, please email the hiring committee: [kagarwal@cs.rutgers.edu](mailto:kagarwal@cs.rutgers.edu).

## Rochester Institute of Technology

### Instructional Faculty - COS Center for Imaging Science RIT Seeks Assistant Professor of Computer Vision – Computational Imaging/Photography



#### DESCRIPTION:

The Chester F. Carlson Center for Imaging Science at the Rochester Institute of Technology invites candidates to apply for a tenure-track Assistant Professor of Imaging Science position. We are seeking candidates with research expertise in the field of computer vision, machine vision, or computational imaging/photography. Preference will be given to candidates whose research programs complement or extend the existing and well-established expertise within the Center including multi-view geometry, ancient document restoration, astronomical and planetary imaging, biomedical imaging and visualization, computational imaging, micro- and nano-scale imaging, remote sensing, vision science, scene understanding, and end-to-end hardware/software imaging systems.

The successful candidate will be expected to advise B.S., M.S. and Ph.D. students, teach undergraduate and graduate level courses in the core imaging science curriculum, offer elective courses in the candidate's area of research, and develop an externally funded research program. More information on the activities of the Center can be found at <http://www.cis.rit.edu>.

#### REQUIRED QUALIFICATIONS:

- A recently earned doctoral degree (Ph.D. or international equivalent) by the hire date (expected to be August 15, 2017)
- A record of refereed scholarly publication in computer vision, machine vision, or computational imaging/photography
- The ability to teach CIS core courses related to image processing, computer vision or scientific computing
- The ability to teach elective courses in their field of expertise at the undergraduate and graduate levels
- Potential to obtain external research funding
- Ability to communicate effectively
- Ability to contribute in meaningful ways to the college's continuing commitment to cultural diversity, pluralism, and individual differences

#### HOW TO APPLY:

Apply online at <http://apptrkr.com/918841>

Submit your curriculum vitae and a cover letter addressing the required qualifications, your research and teaching interests, the names and email addresses for three references, and a contribution to diversity statement.

Contact the search committee with questions on the position at [salvaggio@cis.rit.edu](mailto:salvaggio@cis.rit.edu). Review of applications will begin immediately and continue until a suitable candidate is found. Application materials will be accepted through 1/17/2017.

*RIT does not discriminate. RIT promotes and values diversity, pluralism and inclusion in the work place. RIT provides equal opportunity to all qualified individuals and does not discriminate on the basis of race, color, creed, age, marital status, sex, gender, religion, sexual orientations, gender identity, gender expression, national origin, veteran status or disability in its hiring, admissions, educational programs and activities.*

## Santa Monica College

### Computer Science & Information Systems (CSIS) Instructor - Computer Science

*Full-Time/Tenure Track - Computer Science & Information Systems (CSIS) Instructor - Computer Science*

Salary: \$49,282 - \$121,340

Deadline: March 3, 2017

Please click on the link below to review the detailed job bulletin: <https://jobs.smc.edu/applicants/Central?quickFind=50773>

Minimum Qualifications: please see full job description.

The Santa Monica Community College District is an EOE

## Singapore University of Technology and Design

### Faculty Openings in Information Systems Technology and Design

The Singapore University of Technology and Design (SUTD) invites applicants for tenure-track or tenured appointments in all areas of computer science and computer engineering. Priority will be given to candidates with demonstrated research record in algorithms, cyber security, and distributed computing, and a potential for quality classroom teaching using active learning. Duties include teaching of graduate and undergraduate classes, research, supervision, and service. SUTD is committed to creating a diverse group of

# Professional Opportunities

faculty across all areas including gender and ethnicity.

Singapore offers a variety of research opportunities with strong financial support. Available to researchers in cyber security is affiliation with the iTrust center that offers world-class interconnected testbeds in power generation, distribution, and management; water treatment; water distribution; and Internet of Things. Current focus at iTrust includes research in the design of secure Cyber Physical Systems, Internet of Things, and Large Scale Communications Networks.

SUTD is established in collaboration with the Massachusetts Institute of Technology (MIT) and Zhejiang University in China.

MIT's collaboration with SUTD includes the development of courses and curricula, assistance with faculty and student recruiting, mentoring, career development, and collaboration on joint research projects through the International Design Centre.

Successful candidates can expect internationally competitive remuneration, assistance for relocation to Singapore, and access to attractive funding opportunities.

Please submit your application package at <http://www.sutd.edu.sg/academic/>. Applications will be accepted until positions are filled.

## Sonoma State University

### Assistant Professor of Computer Science

The Department of Computer Science at Sonoma State University (Rohnert Park, California) seeks a highly motivated teacher/scholar at the Assistant Professor level to start in August 2017. We offer a Bachelor of Science degree with over 300 majors. The successful candidate will teach courses across our undergraduate curriculum, offer electives in their areas of expertise, and develop an undergraduate research program. Collaborating with industry and seeking external funding are encouraged. Teaching excellence is a cornerstone of this position. We are committed to expanding participation for groups traditionally

## Computer/Software Engineering

Subject to Budgetary Approval

Rank: Assistant/Associate Professor (Tenure-track) – Three Positions

Job Opening ID (JOID): 23885

The Computer Engineering Department at San José State University (SJSU) invites applications for 3 tenure-track faculty positions at the rank of Assistant or Associate Professor. Areas of particular interest include cloud computing and virtualization, big data, networking, mobile systems, artificial intelligence, robotics, parallel and distributed systems, cyber security, and embedded systems, but other areas in computer and software engineering will also be considered.

#### Qualifications:

- Applicants must have a Ph.D. in Computer Engineering, Software Engineering, Computer Science, or Electrical Engineering by the start of the appointment.
- For appointment at the Assistant Professor rank, the candidate must demonstrate potential for teaching and scholarly excellence. For appointment at the Associate Professor rank, the candidate must have a record of broad teaching experience and significant scholarly and professional achievements commensurate with the rank.
- Applicants must have a strong commitment to teaching excellence, dedication to continued professional development and scholarship, and a broad knowledge of computer/software engineering. Demonstrated ability in written and oral use of the English language is required.
- Applicants should demonstrate awareness of and sensitivity to the educational goals of a multicultural population as might have been gained in cross-cultural study, training, teaching and other comparable experience.

#### Responsibilities:

- A faculty member is expected to teach, supervise, and advise students in both undergraduate and graduate programs, and to establish a research program related to his/her field of interest.
- A faculty member will participate in shared governance, usually in department, college, and university committee and other service assignments.
- A faculty member must address the needs of a student population of great diversity – in age, cultural background, ethnicity, primary language and academic preparation – through course materials, teaching strategies and advisement.

**Salary Range:** Commensurate with qualifications and experience.

**Starting Date:** August 21, 2017

**Eligibility:** Employment is contingent upon proof of eligibility to work in the United States.

#### Application Procedure:

For full consideration, send a letter of application, curriculum vitae, statement of teaching interests/ philosophy, research plans, and at least three original letters of reference with contact information by January 17, 2017 to <http://apptrkr.com/908887>.

Please include Job Opening ID (JOID) on all correspondence.

Screening of applications will begin January 17, 2017. The positions remain open until filled.

**SJSU SAN JOSÉ STATE UNIVERSITY**

*San José State University is an Affirmative Action/Equal Opportunity Employer. We consider qualified applicants for employment without regard to race, color, religion, national origin, age, gender, gender identity/expression, sexual orientation, genetic information, medical condition, marital status, veteran status, or disability. This policy applies to all San José State University students, faculty, and staff as well as University programs and activities. Reasonable accommodations are made for applicants with disabilities who self-disclose. Note that all San José State University employees are considered mandated reporters under the California Child Abuse and Neglect Reporting Act and are required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.*

# Professional Opportunities

underrepresented in CS, and we strongly encourage faculty candidates with similar goals and relevant experience to apply. Ph.D. in CS or related field required by date of hire.

Please see <http://www.sonoma.edu/aa/fa/prospective/tenure-track.html>.

## State University of New York at Binghamton

### Assistant Professor

Department of Computer Science  
<http://cs.binghamton.edu>

The Computer Science Department at Binghamton University has three tenure-track assistant professor positions beginning Fall 2017. Applicants should have a Ph.D. in Computer Science or related discipline, a strong research record, and a commitment to research and teaching. Qualified applications are invited from candidates with specializations in any of the following areas: (1) healthcare systems, bioinformatics, or computational biology, (2) operating systems or embedded systems, and (3) data science, big data, or machine learning.

Further details and application information are available at: <http://binghamtoninterviewexchange.com>. Applications will be reviewed until positions are filled. First consideration will be given to applications received by **January 20, 2017**.

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

## Stevens Institute of Technology

### Multiple Tenure-track Positions in Computer Science

The Department of Computer Science at Stevens Institute of Technology invites applications for four tenure-track positions at the rank of Assistant Professor to begin in Fall 2017. However, outstanding applicants at all ranks will be considered.

Applicants are expected to have a Ph.D. in Computer Science or a closely related field by the time of appointment, a record of excellence in research and a strong commitment to teaching. Applications should include a curriculum vitae, research and teaching statements, and at least three references. Successful candidates will be expected to establish a vigorous, externally-funded research program and teach at both the undergraduate and graduate levels. Junior faculty are supported with highly competitive startup packages.

Please apply at <https://academicjobsonline.org/ajo/jobs/8608>. Full consideration will be given to applications received by January 15, 2017.

The Department of Computer Science values diversity and seeks candidates who can contribute to a welcoming climate for students of all races and genders. Stevens Institute of Technology is an Equal Opportunity Employer and an NSF ADVANCE institution committed to equitable practices and policies. We strongly encourage qualified women and minority candidates to apply.

We are particularly interested in applicants whose research focuses on system aspects in areas of Computer Science that include but are not limited to:

- Machine learning and AI,
- Formal software verification,
- Security for systems including operating systems, networking and data management,
- Pervasive computing and HCI.

We are also interested in applicants whose research complements existing strengths in the department, to support collaborations in topics such as data science, mobile health, computer vision, programming languages and cybersecurity. However, exceptional candidates in all areas of Computer Science will be considered.

The department is in a phase of significant and sustained growth with plans for hiring multiple tenure-track faculty members. Successful candidates will join a vibrant research environment, with 20 full-time faculty members, 7 of whom joined the department in 2016. Faculty research is supported by NSF, NIH, NSA, ONR, DARPA, and other federal and private funding sources. The Department of Computer Science will be the prime occupant of the institute's new \$45 million dollar state-of-the-art Gateway building, which will add 90,000 sq ft of academic and classroom space when completed in the fall of 2019. The campus is on the Hudson River across from Manhattan, offering excellent opportunities for collaborations with nearby universities and industrial research laboratories.

## Suffolk University

### Assistant Professor of Computer Science

The Department of Mathematics and Computer Science at Suffolk University invites applications for a full-time tenure track faculty position at the rank of Assistant Professor (start date July 1, 2017, pending final budgetary approval). Applicants should have a Ph.D. in Computer Science (in hand by start date) and provide evidence of excellent undergraduate teaching and research potential.

Outstanding candidates in all research areas will be considered with emphasis in the areas of wireless networking, networks security, data science and software systems. Experience with innovative teaching techniques and an interest in collaborating across disciplinary boundaries to address issues of broader scientific and social importance are highly desirable.

Application should be made through the Suffolk HR website and should include the following elements: 1) letter of application; 2) CV; 3) copy of graduate transcripts; 4) statement of research and teaching

# Professional Opportunities

interests; and 5) three professional letters of reference (which should be sent electronically to June Lee, Employment Services Coordinator, at [jlee24@suffolk.edu](mailto:jlee24@suffolk.edu)). **Review of applications will begin on December 20, 2016, and it may continue through spring until the position is filled.**

## Working at Suffolk:

Suffolk University is a private, comprehensive, urban university located in the heart of downtown Boston. Since 1906, Suffolk has been committed to creating an exceptional learning experience. Our college green is the Boston Common. We are steps from dozens of historic sites including the Old State House, Faneuil Hall, and the Massachusetts State House. We have no real boundaries to our campus-Boston and Suffolk blend together. Suffolk is an equal opportunity employer committed to a diverse community.

Suffolk University is actively seeking applicants from groups that might be under-represented because of race/color, gender, religion, real or perceived disability, national origin or LGBTQ status.

See yourself here with our terrific benefits package. Benefits include, but are not limited to:

- Harvard Pilgrim medical/Delta Dental at low employee costs
- Retirement options including both Standard Retirement Plan (SRP) and Voluntary Tax Deferred Annuity (VTDAP). The University contributes 9% to your SRP when you contribute 5% after eligibility guidelines have been met.
- All employees and faculty members who are at least half-time are eligible for the tuition free course benefit in the College of Arts and Sciences and in the Sawyer Business School. There are additional tuition benefits for spouses, domestic partners, and children.
- Generous time-off program. Vacation accrues monthly. Vacation for part-time

employees is pro-rated based on the employees' regularly scheduled hours. Additional holidays are announced each year and are separate from the employee's vacation allowance.

- Pre-tax commuter benefit
- Discounted home and auto insurance

Please submit your resume along with a cover letter for the position in which you are applying to.

Apply URL: <https://app.jobvite.com/j?aj=o5B23fwv&s=CRA>

## SUNY Korea

### *Associate/Full Professor and Lecturer Positions*

The Computer Science Department of SUNY Korea (<http://www.cs.sunykorea.ac.kr/>) invites applications for several tenure-track and Lecturer positions, beginning Spring or Fall 2017. (A) Tenure-Track Faculty Positions: Excellent faculty members are sought at all levels in all core areas of computer science. The positions 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 (SBU), Stony Brook, NY (<http://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 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 SBU. The academic degrees awarded at SUNY Korea are identical to those of SBU, 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 20-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 <http://www.cs.sunykorea.ac.kr/about/about-career.html> and applicants should apply at <https://hiring.cs.stonybrook.edu> (Select "SUNYK" for "Sites"). Review of applications will start immediately and will continue until the positions are filled. Applications from non-Korean citizens, women, and minorities are encouraged.

## Swarthmore College

### *Tenure-Track and Visiting Faculty Positions*

The Computer Science Department invites applications for one tenure-track position and multiple visiting positions at the rank of Assistant Professor to begin Fall semester 2017.

Swarthmore College is a small, selective, liberal arts college located 10 miles outside of Philadelphia. The Computer Science Department offers majors and minors at the undergraduate level.

Swarthmore College has a strong institutional commitment to excellence through diversity and inclusivity in its educational program and employment practices. The College actively seeks and welcomes applications from candidates with exceptional qualifications, particularly those with demonstrated commitments to a more inclusive society and world.

# Professional Opportunities

For more information on Faculty Diversity and Excellence at Swarthmore, see <http://www.swarthmore.edu/faculty-diversity-excellence/information-candidates-new-faculty>.

Applicants must have teaching experience and should be comfortable teaching a wide range of courses at the introductory and intermediate level. Candidates should additionally have a strong commitment to involving undergraduates in their research. A Ph.D. in Computer Science at or near the time of appointment is required.

For the tenure-track position, we are interested in applicants whose areas fit broadly into theory and algorithms, systems, or programming languages. Priority will be given to complete applications received by November 15, 2016.

For the visiting position, strong applicants in any area will be considered. Priority will be given to complete applications received by February 1, 2017.

Applications for both positions will continue to be accepted after these dates until the positions are filled.

Applications should include a cover letter, vita, teaching statement, research statement, and three letters of reference, at least one (preferably two) of which should speak to the candidate's teaching ability. In your cover letter, please briefly describe your current research agenda; what would be attractive to you about teaching in a liberal arts college environment; and what background, experience, or interests are likely to make you a strong teacher of a diverse group of Swarthmore College students.

Tenure-track applications are being accepted online at <https://academicjobsonline.org/ajo/jobs/8018>.

Visiting applications are being accepted online at <https://academicjobsonline.org/ajo/jobs/8020>.

Candidates may apply for both positions.

## Temple University

### *Data Science Faculty Positions (Assistant/Associate/Full Professor)*

The Department of Computer and Information Sciences (CIS) invites applications for multiple tenured and tenure track data science faculty. We are interested in data scientists who are developing methods and systems to collect, process, and analyze large amounts of data, as well as techniques to extract and visualize knowledge for various application domains.

CIS offers a highly competitive salary and start-up package, low teaching load, and institutional support for an active doctoral program.

Applications should be submitted electronically at <https://academicjobsonline.org/ajo/jobs/8172>. Review of candidates will begin immediately and continue until the positions are filled. Temple University is an affirmative action/equal opportunity employer with a strong commitment to the quality of faculty life.

The full text of the ad is at <https://cis.temple.edu/TTpositions>.

## Texas A&M University

### *Assistant, Associate and Full Professor*

The Department of Computer Science and Engineering of the College of Engineering at Texas A&M University invites applications for multiple faculty positions, including an



## Assistant Professor, Computer Science

### **Position Description Summary**

Texas A&M University-Corpus Christi invites applications for two tenure-track Assistant Professor positions in Computer Science. Appointment at a higher rank may be possible for qualified candidates. Excellent candidates in any area will be considered.

The basic job requirements include:

- Teaching undergraduate and graduate-level courses,
- Establishing and directing an active and externally funded research program,
- Publishing research results in archival journals with high impacts,
- Advising geospatial computing sciences Ph.D. students and computer science M.S. students,
- Assisting with graduate student recruitment,
- Supporting the Geospatial Computing Sciences Ph.D. Program and the Computer Science M.S. Program, and
- Representing the department in national and international computing functions.

The Department of Computing Sciences prepares students to pursue productive careers and advanced degrees in computer science or geospatial information science. Information about the department is available at <http://csci.tamucc.edu/>.

Texas A&M University – Corpus Christi is a rapidly growing doctoral research university with more than 12,000 students. A Hispanic-Serving Institution on the cultural border with Latin America, TAMU-CC provides a robust campus experience focused on student and faculty success. Located on its own island on the Texas Gulf Coast, the "Island University" was recently recognized as one of the most beautiful coastal campuses in the United States. State-of-the-art classroom and laboratory buildings, support facilities, and recognized faculty strategically position TAMU-CC to achieve its goal of national and international prominence as an emerging research institution.

Apply online at <https://islanderjobs.tamucc.edu>

A completed application will include:

1. A letter of application addressing qualifications,
2. A curriculum vitae,
3. Three professional references including name, address, title, telephone number, and email addresses, and
4. Copies of transcripts of graduate coursework.

The position will remain open until a finalist is selected. Candidates are encouraged to apply prior to January 9, 2017.

# Professional Opportunities

endowed chair professor starting fall 2017. Additionally, a number of multi-disciplinary centers and institutes are seeking faculty that may have interests aligned with computer science or computer engineering. The department currently has 40 tenured and tenure-track faculty and 13 academic professional track faculty members who hold a number of national distinctions, including ACM, IEEE, AAAS and SIAM Fellows, and ACM Distinguished Scientists and Engineers. The department has a strong and vibrant research program, with half the faculty receiving NSF CAREER/NYI/PYI awards. More information about the department is available at <http://www.cse.tamu.edu>.

CSE invites applications for multiple tenure-track positions at the assistant, associate and full professor levels. Candidates are being sought in the areas of theory, systems, software, human-centered computing, applications, and computer science education. Applicants doing research in the frontiers of computer science with other disciplines will generate the most interest. Exceptional candidates in other areas are also welcome to apply. Successful candidates will be expected to teach at the undergraduate and graduate levels, develop an independent, externally funded research program, advise graduate students, participate in all aspects of the department's mission, and serve the profession.

Applicants must have a Ph.D. in computer science, computer engineering, or a closely related field.

Applicants should submit a cover letter, curriculum vitae, teaching statement, research statement, and a list of three references (including postal addresses, phone numbers and email addresses) by applying for this specific position at [www.tamengineeringjobs.com](http://www.tamengineeringjobs.com). Full consideration will be given to applications

received by January 2, 2017. Applications received after that date may be considered until positions are filled. It is anticipated the appointment will begin fall 2017. For specific questions about the positions, contact: [search@cse.tamu.edu](mailto:search@cse.tamu.edu).

The members of Texas A&M Engineering are all Equal Opportunity/Affirmative Action/Veterans/Disability employers committed to diversity. It is the policy of these members to recruit, hire, train and promote without regard to race, color, sex, religion, national

origin, age, disability, genetic information, veteran status, sexual orientation or gender identity.

## Texas Southern University

### Assistant Professor Tenure Track

The Department of Computer Science at Texas Southern University (TSU) in Houston, TX invites applications for a tenure-track faculty Assistant Professor position starting in Fall 2017.

#### Position Title: Open Rank Non-tenure Track Titles



#### Texas A&M – Dwight Look College of Engineering

Texas A&M is located in the twin cities of Bryan and College Station, with a population of more than 175,000, and is conveniently located in a triangle formed by Dallas, Houston and Austin. Texas A&M has more than 55,000 graduate and undergraduate students enrolled. Research expenditures at Texas A&M total more than \$820 million annually, ranking in the top tier of universities nationwide. With an endowment valued at more than \$5 billion, the university ranks fourth among U.S. public universities and 10th overall. Texas A&M is aware that attracting and retaining exceptional faculty often depends on meeting the needs of two careers and having policies that contribute to work-life balance. For more information visit <http://dof.tamu.edu/Faculty-Resources/CURRENT-FACULTY/Faculty-Work-Life>. With over 400 tenured/tenure-track faculty members and more than 13,900 students, the Dwight Look College of Engineering is one of the largest engineering schools in the country. The college is ranked seventh in graduate studies and eighth in undergraduate programs among public institutions by U.S. News & World Report, with seven of the college's 13 departments ranked in the Top 10. The Look College is also ranked 10th in the Academic Ranking of World Universities compiled by Shanghai Jiao Tong University. The American Society for Engineering Education ranks the Look College second in research expenditures.

#### Department - Computer Science and Engineering

#### Department Overview

In response to the national demand for more qualified engineers, the Look College has embarked on "25 by 25," an ambitious enrollment growth initiative to more than double the college's current enrollment to 25,000 engineering students by the year 2025. The Department of Computer Science and Engineering will be an integral part of this planned growth. The department currently has 42 tenured and tenure-track faculty members, 11 research faculty, two professors of practice, and six full-time lecturers. The department has faculty with a number of national distinctions, including ACM, IEEE, AAAS and SIAM Fellows, and ACM Distinguished Scientists and Engineers. The department has a strong and vibrant research program, with half the faculty receiving NSF CAREER/NYI/PYI awards.

#### Pre-Hire ID: #####

#### Job Summary

The Department of Computer Science and Engineering at Texas A&M University invites applications for non-tenure track faculty position at the lecturer, instructional professor, professor of practice, adjunct, visiting and research professor levels with teaching expertise in computer science or computer engineering. The successful applicants will teach primarily at the undergraduate level in support of the development of the undergraduate program; advise and mentor undergraduate students; participate in all aspects of the department's activities; and serve the profession. Strong written and verbal communication skills are required. Applicants should consult the department's website to review our academic and research programs <http://www.cse.tamu.edu>.

#### Required Education and Experience

Applicants must have, at the minimum, an earned bachelor level degree for professor of practice level titles. Candidates for other non-tenure track titles must have an advanced degree in a closely related engineering or science discipline.

#### Other Requirements

Applicants should submit a cover letter, curriculum vitae, teaching statement, and a list of three references (including postal addresses, phone numbers and email addresses) by applying for this specific position at [www.tamengineeringjobs.com](http://www.tamengineeringjobs.com). Full consideration will be given to applications received by November 1, 2016. Applications received after that date may be considered until positions are filled. It is anticipated the appointment will begin fall 2016 or spring 2017.

#### EEOC Statement

The members of Texas A&M Engineering are all Equal Opportunity/Affirmative Action/Veterans/Disability employers committed to diversity. It is the policy of these members to recruit, hire, train and promote without regard to race, color, sex, religion, national origin, age, disability, genetic information, veteran status, sexual orientation or gender identity.

# Professional Opportunities

Candidates are being sought in the core areas of Computer Science, e.g. theory, systems, software and applications. The successful candidate will teach at the undergraduate and graduate levels, develop funded research programs, advise students, further the department's mission, and serve the profession.

## Requirements:

Applicants should have (or expect to receive before Fall 2017) a Ph.D. in computer science or a closely related field. They should have formal training in core CS areas including programming languages, operating systems, algorithms, and theory.

The CS Department (<http://cs.tsu.edu/>) offers a BS degree (concentrations in Computer Science and Computer Networks), as well as an MS in Computer Science. The department has 11 full-time faculty members, a diverse student body of about 200 students, and excellent potential for future growth. TSU is located at the heart of Houston

For further information and instructions on how to apply, please visit <https://jobs.tsu.edu/postings/1108>. Full consideration will be given to applications received by March 31, 2017. TSU is an equal opportunity employer and does not discriminate on the basis of race, color, sex, religion, national origin, age, or disability. Employment eligibility verification will be required upon employment.

## Texas Tech University

### Associate/Full Professor

The Department of Computer Science at Texas Tech University invites applications for tenured or tenure - track senior position (Associate or Full Professor) starting in Fall 2017. The duties include teaching graduate and undergraduate courses, performing high quality research as evidenced by scholarly publications, and developing competitive research grant proposals. Service

duties include participation in program enhancement and building community activities. Services to the department, college, and university are expected.

Candidates should demonstrate excellence in research achievement, successful record of obtaining external funding, effective leadership in building and guiding team efforts at the university or national level, and capability of designing multidisciplinary projects. All research areas in Computer Science and Software Engineering are of interest.

Review of applications will begin in February 1, 2017 and continue until the position is filled. A letter of application, Curriculum Vitae, research and teaching statements and three letters of reference should be submitted electronically at <http://www.texastech.edu/careers/>. Please use the requisition number 9053BR for the 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. Should you have questions, please contact: Dr. Akbar Namin, at [cs.search@ttu.edu](mailto:cs.search@ttu.edu)

## TTI-Chicago

### Faculty Positions (All Levels)

Faculty Positions (All Levels) TTI-Chicago invites applications for faculty positions in computer science at the level of tenure-track and senior (tenured) professor, endowed three-year research assistant

professor, and visiting professor. We welcome applications from many areas of computer science, but will give preference to candidates with a particular interest in theory, machine learning, computer vision, natural language and speech, robotics, or computational biology.

Chicago is a philanthropically endowed, academic institute situated on the University of Chicago campus, and is dedicated to basic research and graduate education in computer science. Tenure-track faculty teach one quarter per year. Research faculty have no teaching duties, but have the opportunity to teach and co-advice students.

Applications should include a curriculum vitae, research and teaching statements, and the names and contact information of at least three references.

Please apply online at <http://www.ttic.edu/facultyapplication>

We will start reviewing applications on December 15, 2016, and will continue until the positions are filled.

Please direct any questions to [recruiting@ttic.edu](mailto:recruiting@ttic.edu)

TTI-Chicago is an equal opportunity employer.

## Tufts University

### Assistant / Associate / full Professor

The Department of Computer Science at Tufts University invites applications for a tenure-track faculty appointment at any rank to begin in September 2017. We are looking for an engaged and engaging researcher and teacher with a strong vision who can build and maintain a high-quality research program at Tufts and collaborate with our faculty.

Candidates may have expertise in any area of computer science, especially but not limited to AI, data science, databases,

# Professional Opportunities

human-computer interaction, machine learning, physical computing, robotics, security and privacy, systems, theoretical computer science, as well as research involving interdisciplinary collaborations and applications in science, engineering, and the humanities. We seek a candidate whose research will both connect with some of our current faculty and extend into new areas, but we are open to strong applicants in all areas.

Please submit your application online through Interfolio at <https://apply.interfolio.com/37872>.

For more information, please see the complete text of the position announcement at <http://www.cs.tufts.edu/Jobs/employment-opportunities.html>. Inquiries should be emailed to [ttsearch@cs.tufts.edu](mailto:ttsearch@cs.tufts.edu). Review of applications will begin January 9, 2017 and will continue until the position is filled.

## Tufts University

*Assistant / Associate / full Professor - Robotics*

The Departments of Computer Science (CS) and Mechanical Engineering (ME) at Tufts University invite applications for a tenure-stream faculty appointment at any rank in the area of robotics to begin in September 2017. We are looking for individuals with expertise in research and teaching, and a strong vision who can bridge the research strands in control and navigation in ME and artificial intelligence and human-robot interaction in CS and maintain a high-quality collaborative research program at Tufts.

Candidates may have expertise in any area of AI and robotics, especially but not limited to manipulation, control, and human-robot interaction.

Please submit your application online through Interfolio at <https://apply.interfolio.com/38832>.

For more information, please see the complete text of the position announcement at <http://www.cs.tufts.edu/Jobs/employment-opportunities.html>. Inquiries should be emailed to [jointsearch@cs.tufts.edu](mailto:jointsearch@cs.tufts.edu).

Review of applications will begin January 9, 2017 and will continue until the position is filled.

Tufts University is an Equal Opportunity/Affirmative Action Employer. We are committed to increasing the diversity of our faculty and fostering their success when hired. Members of underrepresented groups are welcome and strongly encouraged to apply.

## U.S. Naval Academy

*Associate/Full Professor in Cyber Science*

The U.S. Naval Academy invites applications for a tenure track position in the Department of Cyber Science in support of growing Cyber education initiatives. The start to review date is 15 November, 2016.

The requirements of the position include teaching and developing undergraduate courses focused on Cyber Operations, academic research in the area of Cyber Operations, and mentoring of students and faculty. Candidates should have an interest in and understanding of Cyber Operations as well as practical teaching and/or research experience involving technical cyber security areas including systems security, network security, and SCADA systems etc.

A Ph.D. in a cyber-relevant field, which includes fields such as Computer Science, Information Technology, Computer Security, Computer Engineering, and Electrical Engineering, is required (anticipated completion of Ph.D no later than July 2017 is acceptable).

For full details see: <https://www.usna.edu/HRO/jobinfo/AsstProfCYBER2016.php>

## United States Naval Academy

*Assistant Professor of Computer Engineering*

The Electrical and Computer Engineering Department of the United States Naval Academy is seeking applicants to fill multiple tenure-track positions at the Assistant Professor level in Computer Engineering. Applicants with teaching and research interests in all areas of computer engineering will be considered, including but not limited to cyber security, operating systems, computer networking, parallel computing, distributed systems, storage systems, embedded systems, and compilers.

For more information about these positions and how to apply, please visit the USNA position announcement at <https://www.usna.edu/HRO/jobinfo/ASSTPROF-CE2016.php>.

## United States Naval Academy

*Assistant Professor of Computer Engineering*

The Electrical and Computer Engineering Department of the United States Naval Academy is seeking applicants to fill multiple tenure-track positions at the Assistant Professor level in Computer Engineering. Applicants with teaching and research interests in all areas of computer engineering will be considered, including but not limited to cyber security, operating systems, computer networking, parallel computing, distributed systems, storage systems, embedded systems, and compilers.

For more information about these positions and how to apply, please visit the USNA position announcement at <https://www.usna.edu/HRO/jobinfo/ASSTPROF-CE2016.php>

# Professional Opportunities

## University of Alabama at Birmingham

Asst/Assoc/Full Professor of Computer Science

The Department of Computer and Information Sciences (CIS) at the University of Alabama at Birmingham (UAB) is seeking candidates for a tenure-track/tenure-earning/tenured faculty position at the Assistant/Associate/Full-Professor rank beginning Fall 2017. For additional information about the Department, please visit: <http://www.cis.uab.edu>.

Candidates with expertise in all core CIS areas are sought, with preference given to: (1) Advanced Computing Systems (broadly defined, including large-scale systems, distributed systems, and software systems), and (2) Data Science (broadly defined, including machine learning, data mining and big data). 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.

The CIS Department at UAB offers PhD, MS and BS programs. The Department has a strong research focus, and a strong commitment to teaching, service and outreach. 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 Information Assurance, Security and Computer Forensics. Collaborations with UAB's medical enterprise are strong and growing, with many opportunities for faculty to participate in interdisciplinary work.

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 at least three reference letters. Applications and all other materials (including reference letters) should be submitted through UAB's portal at People Admin: [uab.peopleadmin.com](http://uab.peopleadmin.com)

Review of candidates will begin November 15, 2016, 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 Alberta

### Tenure-Track Assistant Professor

The Department of Computing Science at the University of Alberta invites applications for tenure-track Assistant Professor positions (appointments at higher rank may be considered in exceptional cases). Preference will be given to applicants with established or with clear potential to establish an excellent research program in the following areas: (1) Natural Language Processing, (2) Systems Security, (3) Green and Sustainable Computing, and (4) Robotics. Excellent candidates in other areas of Computing Science may also be considered. The successful candidate will show a strong ability to communicate and commitment to highly effective graduate and undergraduate teaching. They will establish their own funded research program, supervise graduate students, and teach graduate and undergraduate

courses. Strong potential for productive interactions with researchers in the Department of Computing Science or in other disciplines at the University of Alberta will be considered an asset. The candidate must hold a Ph.D. (or equivalent) degree by the appointment date (expected to be July 1st, 2017).

The successful candidate for each of these appointments may be considered as a nominee for one of four open **Tier II CRC positions** in the Faculty of Science, in cases where the appointment advances the strategic considerations of the Faculty of Science and the University of Alberta.

According to the most recent THE ranking, the **Department of Computing Science** is ranked 4th in Canada and 96th in the world and is home to 44 tenured and tenure-track faculty members, and over 200 graduate students in its Ph.D. and M.Sc. programs. The **University of Alberta**, ranked 5th in Canada and 107th in the world, is home to over 31,000 undergraduate students, 7,600 graduate students, and 600 postdoctoral fellows.

Applicants are asked to submit the following (all files must be submitted in PDF format):

- a full curriculum vitae,
- their most significant peer-reviewed published contribution to their field of research,
- a 1-2 page research statement which should (1) highlight contributions to their field of research, (2) present an overview of their planned research
- program for ~5 years after initial appointment, and (3) include how the candidate will interact, collaborate with and complement other researchers at the University of Alberta, and
- a 1-page teaching philosophy including their experience and interests.
- Applicants must also ensure that three referees will submit (through the submission website) confidential reference letters about their accomplishments

# Professional Opportunities

and their potential as an independent researcher.

All applications are to be submitted at <https://academicjobsonline.org/ajo/jobs/8270>. In order to ensure full consideration, complete applications and all reference letters must be received by Dec. 1st, 2016; however, this competition will be open until filled.

For further information please email the Department Chair's Executive Assistant at [cs.ea@ualberta.ca](mailto:cs.ea@ualberta.ca) (please use "Assistant Professor Position 2016" as the email's subject).

To assist the University in complying with mandatory reporting requirements of the Immigration and Refugee Protection Act (R203(3)(e), please include the first digit of your Canadian Social Insurance Number in your application (within your cover letter). If you do not have a Canadian Social Insurance Number, please indicate this in your application (within the cover letter).

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. If suitable Canadian citizens or permanent residents cannot be found, other individuals will be considered.

The University of Alberta hires on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons.

## University of Arizona

*Assistant Professor of Computer Science in Machine Learning*

The Department of Computer Science at the University of Arizona invites applications for a tenure-track assistant professor position in machine learning and related areas. This faculty member will participate in the

University of Arizona's Statistics Graduate Interdisciplinary Program, which is a unique interdisciplinary training program designed to focus and enhance statistical training and research across the UA campus.

The Department has a long history of research accomplishment, influential software distribution, and substantial external funding. Current research areas include algorithms, architecture, bioinformatics, compilers, computational geometry, databases, high-performance computing, networks, operating systems, security, vision, and visualization. More information about the University of Arizona and its environs is available at [www.whyUA.com](http://www.whyUA.com).

To apply, complete an online application at the UA Human Resources web site, <https://uacareers.com/postings/14856>. Be sure to upload (a) your curriculum vitae, (b) a statement of your research and teaching interests, (c) the names of at least three references, and (d) your letter of interest.

The University of Arizona is an EO/AA employer-M/W/D/V.

Review of applications will begin January 3, 2017 and continue until the position is filled. Please email [search@cs.arizona.edu](mailto:search@cs.arizona.edu) if you have any questions or need assistance.

## University of Arizona

*Assistant professor position in the general area of large-scale systems*

The Department of Computer Science at the University of Arizona invites applications for a tenure-track assistant professor position in the general area of large-scale systems. The research areas of distributed systems, storage and database systems, and scalable storage are especially desirable. Outstanding candidates in related areas will also be considered.

The Department has a long history of research accomplishment, influential software distribution, and substantial

external funding. Current research areas include algorithms, architecture, bioinformatics, compilers, computational geometry, databases, high performance computing, networks, operating systems, security, vision, and visualization. More information about the University of Arizona and its environs is available at [www.whyUA.com](http://www.whyUA.com).

To apply, complete an online application at the UA Human Resources web site, <https://uacareers.com/postings/14854>. Be sure to upload (a) your curriculum vitae, (b) a statement of your research and teaching interests, (c) the names of at least three references, and (d) your letter of interest.

The University of Arizona is an EO/AA employer-M/W/D/V.

Review of applications will begin January 3, 2017 and will continue until the position is filled. Please email [search@cs.arizona.edu](mailto:search@cs.arizona.edu) if you have any questions or need assistance.

## University of Arizona

*Lecturer in Computer Science*

The Department of Computer Science at The University of Arizona seeks applicants for a Lecturer position. This is a full-time, renewable, benefits-eligible, non-tenure track appointment with a one- to three-year contract.

The most important criteria for the position are demonstrated excellence in undergraduate Computer Science education and extensive knowledge of core Computer Science topics. Candidates with experience teaching large-enrollment classes are especially welcome.

The minimum requirement for the position is an MS in Computer Science or closely related discipline. Preference will be given to candidates who have, or are close to having, a Ph.D in Computer Science or related field, as well as teaching experience.

# Professional Opportunities

As of Fall 2016, the Department of Computer Science at the University of Arizona will have 27 faculty members, including four senior lecturers and four junior lecturers. The Department has a long history of research accomplishment, influential software distribution, and excellent undergraduate and graduate instruction. Current research and teaching areas span most core areas of Computer Science. The university is located in Tucson, a valley with desert landscape surrounded by mountain ranges. Tucson boasts a warm climate, 350 sunny days per year, with ample opportunities for outdoor activities such as hiking, mountain biking, horseback riding, caving, and rock climbing.

More information about the University and its environs is available at [www.whyUA.com](http://www.whyUA.com).

To apply, complete an online application at the UA Human Resources web site, <https://uacareers.com/postings/14824>. Be sure to upload (a) your curriculum vitae, (b) a statement of your teaching philosophy and interests, and (c) the names of at least three references.

The University of Arizona is an EO/AA employer-M/W/D/V.

Review of applications will begin immediately and will continue until the position is filled. Please email [search@cs.arizona.edu](mailto:search@cs.arizona.edu) if you have any questions or need assistance.

## University of Arizona

*Tenure-Track Faculty Position (Open Rank) in Computer Science*

The Department of Computer Science invites applications for a tenure-track faculty position in computer security. This faculty member will be part of the Cyber Security Initiative, which is a campus-wide, multi-disciplinary effort in a wide range of security-related topics. We will consider outstanding applicants at all ranks.

The Department has a long history of research accomplishment, influential software distribution, and substantial external funding. Current research areas include algorithms, architecture, bioinformatics, compilers, computational geometry, databases, high-performance computing, networks, operating systems, security, vision, and visualization. More information about the University of Arizona and its environs is available at [www.whyUA.com](http://www.whyUA.com).

To apply, complete an online application at the UA Human Resources web site, <https://uacareers.com/postings/14959>. Be sure to upload (a) your curriculum vitae, (b) a statement of your research and teaching interests, (c) the names of at least three references, and (d) your letter of interest.

The University of Arizona is an EO/AA employer-M/W/D/V.

Review of applications will begin January 3, 2017 and continue until the position is filled. Please email [search@cs.arizona.edu](mailto:search@cs.arizona.edu) if you have any questions or need assistance.

## University of Arkansas

*Tenured Associate or Full Professor and Tenure-Track Assistant Professor*

The Department of Computer Science and Computer Engineering at the University of Arkansas invites applications for two positions. We have a tenured associate or full professor position in big data analytics with a possible endowed chair, and a tenure-track assistant professor position in artificial intelligence, machine learning, cyber-physical systems, or cybersecurity, both to start in August 2017. Applicants for the associate or full professor position should present an excellent track record in scholarship, sustained external funding, and teaching and are expected to have national and international

recognition. Candidates whose current rank is Professor or whose credentials warrant appointment at the full professor level with exceptional track records in scholarship and external funding will be considered for an endowed position as the holder of the Earl J. and Lillian P. Dyess Chair in Research Excellence.

Applicants for the assistant professor position should present a promising track record in scholarship and evidence of teaching ability. For application details, visit <http://csce.uark.edu>.

The UA is AA/EQ employer/Veterans/Disabled.

## University of California, Davis

*Track Faculty Positions*

The Department of Computer Science at the University of California at Davis invites applications for three tenure-track faculty positions at the rank of Assistant or Associate Professor in Computer Science, for appointments with a start date in Fall 2017. We are targeting excellent candidates in three areas:

**(1) all areas machine learning and computational linguistics with an emphasis on natural language processing, information retrieval, text analytics and text mining,**

**(2) databases, interpreted broadly to include distributed systems issues, security and privacy, and specific data types such as graphs, spatial data, images, biometrics, genomics and medical data, and (3) all areas of high-performance computing and related areas.**

The campus is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching, and service.

# Professional Opportunities

The department and university are consistently ranked in the top fifty in the nation. The Department is growing. In addition to these positions, we are also conducting an open-area recruitment and hiring for cross-disciplinary open positions in related areas such as network science, game development and computational neuroscience.

Consisting of 32 faculty and over 200 graduate students, the UC Davis Computer Science Department is part of the College of Engineering. The graduate group structure at Davis encourages frequent collaboration and student co-supervision across departments. The city of Davis is a vibrant college town with easy access to the San Francisco bay area and Sacramento, offering ample opportunities for industrial collaboration and recreation.

Applicants should have received (or are about to receive) a doctoral degree in Computer Science or a related field. Candidates must have demonstrated excellence in research and a commitment to quality teaching. Candidates at the Associate level should have a strong record of publications and research funding and national recognition. Successful applicants will be expected to establish a top-quality research program and to teach both graduate and undergraduate courses. The department is particularly interested in candidates who have experience working with students from diverse backgrounds and a demonstrated commitment to improving access to higher education for disadvantaged students.

Interested persons can find more information on all open positions in Computer Science at UC Davis, and instructions to apply at: <http://www.cs.ucdavis.edu/blog/faculty-employment-positions-2/>

Direct links to each recruitment can be found here:

Machine Learning, Natural Language Processing and Computational Linguistics: <https://recruit.ucdavis.edu/apply/JPF01288>

Databases and Applications:

<https://recruit.ucdavis.edu/apply/JPF01336>

High-performance Computing: <https://recruit.ucdavis.edu/apply/JPF01288>

Applications should include a vita, a personal statement, a three or four selected publications, a diversity statement, a teaching statement, and the names of three references; candidates who wish to be considered at the Associate level should provide four references.

Review of completed applications will begin January 2, 2017. The position remains open until filled.

UC Davis is responsive to the concerns of dual-career couples and offers a Partner Opportunity Program. UC Davis is an affirmative action/equal employment opportunity employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, individuals with disabilities and veterans.

## University of California, Merced

*Faculty Position in Electrical Engineering and Computer Science Program (Internet of Things (IoT))*

computer science or a related field is required at the time of employment.

Details and application information can be found at <https://aprecruit.ucmerced.edu/apply/JPF00364>. Full consideration will be given to applications received by January 7, 2017. Applications will continue to be received until the positions are filled. For inquiries and questions, please contact us at [mkallmann@ucmerced.edu](mailto:mkallmann@ucmerced.edu).

EEO/AA employer.

## University of California, Merced

*Faculty Position in Electrical Engineering and Computer Science Program (Internet of Things (IoT))*

The Electrical Engineering and Computer Science (EECS) program at the University of California, Merced invites applications for one tenure-track position in the area of the Internet of Things (IoT) beginning in the 2017-18 academic year. Outstanding candidates with research interests in embedded sensors, pervasive connectivity, mobile computing, wearables, security, interoperability, mixed signal systems, fog networking/computing, and wireless embedded systems are encouraged to apply. A doctoral degree in electrical engineering, computer engineering, computer science or a related field is required at time of employment.

Details and application information can be found at <https://aprecruit.ucmerced.edu/apply/JPF00359>. Position is open until filled with a final closing date of June 30, 2017; consideration of applications will begin on December 31, 2016. Applications will continue to be received until the positions are filled. For inquiries and questions, please contact us at [scarpin@ucmerced.edu](mailto:scarpin@ucmerced.edu). EEO/AA employer.

# Professional Opportunities

## University of California, Riverside

### *Postdoc in the general area of system/network security*

We are looking for a postdoc in the general area of system/network security. We are interested both in researchers who have hands-on experiences in either attacks or defenses (broadly-defined). The work will be done under the context of a new collaborative research alliance (CRA) on cyber security established by the Army Research Laboratories, and will be highly collaborative in nature. For more details on the CRA, please visit <http://www.cra.psu.edu>. The offer is expected to last two years long.

For more information on our research group, please visit our webpages (<http://www.cs.ucr.edu/~zhiyunq> and <http://www.cs.ucr.edu/~krish>) or the networks group webpage at (<http://networks.cs.ucr.edu>).

Interested candidates should e-mail their CV to [krish@cs.ucr.edu](mailto:krish@cs.ucr.edu) and/or [zhiyunq@cs.ucr.edu](mailto:zhiyunq@cs.ucr.edu). We are especially interested in candidates that can start before Apr 1, 2017

## University of California, Riverside

### *Professor in Human Neuroimaging Cluster Hire*

The Department of Bioengineering invites applications for multiple positions in human neuroimaging. Successful candidates will become core faculty in the recently established Center for Advanced Neuroimaging (UCR CAN), directed by Professor Xiaoping Hu. The center is equipped with a new Prisma 3T Siemens scanner and staffed by a physicist, research scientist, and MR technologist. We seek applicants with a strong track record of research publications and funding or potential for funding in basic science and methods of human neuroimaging with one position in the following two areas:

MR Physics/Engineering (MRI sequences and reconstruction, DTI, SWI, hardware, MR spectroscopy), and Neuroimaging Data Processing/Analysis (fMRI data processing and analysis, neuroimaging data mining and imaging genetics, MRI computational neuroscience). Rank for the positions will be at the Assistant or Associate Professor level. Applications at the Professor level will be considered for exceptional cases.

Junior applicants with potential home department in the Bourns College of Engineering should also be aware about the Provost's Diversity in Engineering Fellows (PDEF) Program. This new initiative, created in collaboration with the University of California Office of the President (UCOP), is aimed at supporting emerging scholars as they transition into the professoriate. In addition to a tenure track faculty position and funding for a year of postdoctoral training, participants receive professional development and research funds to assist them to have a successful career in academia. Qualified candidates must demonstrate exceptional promise for, or have a proven record of, conducting independent high-quality published research and teaching, securing external funding, and collaborating across disciplines. Candidates must also have evidence of a commitment to diversity such as engagement with diverse populations of students, role modeling, and mentoring.

The University of California at Riverside (UCR) is implementing a major expansion of our faculty and investing in state-of-the-art research facilities to support their work. This expansion will build critical mass in 34 vital and emerging fields of scholarship, foster truly cross-disciplinary work, and further diversify the faculty at one of America's most diverse research universities. We encourage applications from scholars committed to excellence and seeking to help define the research university for the next generation.

For more information about our hiring initiative or to submit an application, please visit [www.clusterhiring.ucr.edu](http://www.clusterhiring.ucr.edu) or <https://aprecruit.ucr.edu/>.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

Applicants should be committed to excellence in undergraduate and graduate education. A doctoral degree in a relevant engineering discipline or closely related field is required at the start of service. Salary will be commensurate with education and experience. Full consideration will be given to applications received by January 15, 2017. We will continue to consider applications until the positions are filled.

**To Apply:** Interested candidates should send a cover letter that indicates which position they wish to be considered for and describes research and teaching interests, their curriculum vitae, reprints and preprints, and required reference information, all using the following link: <https://aprecruit.ucr.edu/apply/JPF00685> (for Assistant Professor) or <https://aprecruit.ucr.edu/JPF00682> (for Associate/Full Professor). Notably, those more junior candidates who have demonstrated an exceptionally strong commitment to our University's mission of increasing access for and achievement by individuals from underrepresented groups are encouraged to apply for the PDEF Program. To be considered for the Provost's Diversity in Engineering Fellows Program, please indicate interest in your cover letter.

# Professional Opportunities

Questions about the position should be directed to Associate Professor Hyle Park, Chair, Human Neuroimaging Search Committee, at [hylepark@ucr.edu](mailto:hylepark@ucr.edu).

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

*Tenure-track Faculty Position-Statistical Approaches to Big Data*

### DATA SCIENCE CLUSTER

The University of California at Riverside (UCR) is implementing a major expansion of our faculty and investing in state-of-the-art research facilities to support their work. This expansion will build critical mass in 34 vital and emerging fields of scholarship, foster truly cross-disciplinary work, and further diversify the faculty at one of America's most diverse research universities. We encourage applications from scholars committed to excellence and seeking to help define the research university for the next generation. For more information about our hiring initiative or to submit an application, please visit [clusterhiring.ucr.edu](http://clusterhiring.ucr.edu) or [academicpersonnel.ucr.edu](http://academicpersonnel.ucr.edu).

UCR is pursuing a cluster of hires to enhance research strengths in Data Science; such hires will have potential home departments in the Sciences and/or Engineering. Candidates will also join UCR's Data Science Center and are expected to foster research collaborations with existing faculty across academic departments working on Data Science related topics. The Data Science Cluster is hiring for three

positions this year, in the following areas respectively: (i) Genome Data Science, (ii) Statistical Approaches to Big Data and (iii) Big Data in Astronomy.

As part of the Data Science Cluster, we seek to fill a tenure-track/tenured (open rank) faculty position in the area of Statistical Approaches to Big Data. Key areas of specialization include: computational statistics, modern statistical theory for big data or high dimensional problems, Bayesian approaches to big data, deep learning, neural networks, and other areas that can make fundamental contributions to the theory, algorithms, and systems aspects of data science. A Ph.D. degree in a field related to Data Science (such as Computer Science, Statistics, or Applied Mathematics) is required by the start of service.

This position will commence as early as July 1, 2017 or as negotiated. Salary level will be competitive and commensurate with qualifications and experience. Senior candidates need to have an outstanding record of research, funding support, teaching, and graduate student mentorship, while junior candidates need to show potential to excel in these areas. Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

Full consideration will be given to applications received by January 6, 2017. We will continue to consider applications until the position is filled.

To apply, please register through the weblink at <https://aprecruit.ucr.edu/apply/>

JPF00665 (for Assistant Professor) or <https://aprecruit.ucr.edu/apply/JPF00668> (for Associate/Full). Minorities and members of underrepresented groups are particularly encouraged to apply. For inquiries and questions, please contact Prof. James Flegal at [james.flegal@ucr.edu](mailto:james.flegal@ucr.edu)

Junior applicants with potential home department in the Bourns College of Engineering should also be aware about the Provost's Diversity in Engineering Fellows (PDEF) program. This new initiative, created in collaboration with the University of California Office of the President (UCOP), is aimed at supporting emerging scholars as they transition into the professoriate. In addition to a tenure track faculty position and funding for a year of postdoctoral training, participants receive professional development and research funds to assist them to have a successful career in academia. Qualified candidates must demonstrate exceptional promise for, or have a proven record of, conducting independent high-quality published research and teaching, securing external funding, and collaborating across disciplines. Candidates must also have evidence of a commitment to diversity such as engagement with diverse populations of students, role modeling, and mentoring. To be considered for the Provost's Diversity in Engineering Fellows Program, please indicate interest in your cover letter.

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 characteristic protected by law.

# Professional Opportunities

## University of California Riverside

### Faculty Positions

The Department of Computer Science and Engineering at the University of California Riverside invites applications for one tenure-track and/or tenured faculty position in the Cyber-Security Cluster. Candidates with research interests in the broadly understood field of Cyber-Security are encouraged to apply. Senior candidates need to have a strong record of research, teaching, and graduate student mentorship, while junior candidates need to show potential to excel in these areas. The candidate will join a strong research group in CyberSecurity consisting of six

faculty, including two new faculty who joined in 2016. Junior applicants with potential home department in the Bourns College of Engineering should also be aware about the Provost's Diversity in Engineering Fellows (PDEF) program. This new initiative, created in collaboration with the University of California Office of the President (UCOP), is aimed at supporting emerging scholars as they transition into the professoriate. In addition to a tenure track faculty position and funding for a year of postdoctoral training, participants receive professional development and research funds to assist them to have a successful career in academia. Qualified candidates must demonstrate exceptional promise for, or have a proven record of,

conducting independent high-quality published research and teaching, securing external funding, and collaborating across disciplines. Candidates must also have evidence of a commitment to diversity such as engagement with diverse populations of students, role modeling, and mentoring. The Computer Science and Engineering Department currently has 31 faculty members, including multiple ACM/IEEE/AAAS Fellows and Young Investigator/NSF CAREER award holders, who pride themselves in combining top quality teaching with cutting edge research. The research projects in the department are funded by federal (NSF, NIH, AFOSR, DoD) or industrial sponsors, with the new awards for 2015/16 exceeding 6 million dollars. The department offers



## UC SANTA CRUZ

### Computer Science: Data-Driven Applications, Assistant Professor

(Open Until Filled; Initial Review 01/03/17)

The Department of Computer Science at the University of California, Santa Cruz (UCSC), invites applications for a tenure track (Assistant Professor) faculty position in data-driven application areas. We seek outstanding individuals who have demonstrated research and teaching expertise in one or more areas such as natural language processing, social good, computer vision, or social networks and social media. The successful candidate is expected to develop a research program, advise graduate students in their research area, obtain external funding, develop and teach courses within the undergraduate and graduate curriculum, perform university and professional service, and be able to work with students, faculty, and staff from a wide range of social and cultural backgrounds. The campus is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching, and service.

**RANK:** Assistant Professor

**SALARY:** Commensurate with qualifications and experience; academic year (9-month) basis

**BASIC QUALIFICATIONS:** A Ph.D. or equivalent foreign degree in Computer Science or other relevant field, expected to be conferred by June 30, 2018; demonstrated record of research and teaching.

**PREFERRED QUALIFICATIONS:** Demonstrated potential for excellence in research; ability to develop an externally funded research program; Ph.D. conferred by June 30, 2017.

**POSITION AVAILABLE:** July 1, 2017 (with academic year beginning September 2017). Ph.D. must be conferred by June 30, 2018 for employment beyond that date.

**TO APPLY:** Applications are accepted via the UCSC Academic Recruit online system, and must include a letter of application, curriculum vitae, a statement of research plans, a statement of teaching interests and experience, 3–4 selected publications, and 3–4 confidential letters of reference\*. Applicants may also submit an optional statement addressing their contributions to diversity through research, teaching, and/or service. All materials must be submitted as PDF files.

Apply at <http://apptrkr.com/906199>

Refer to Position #JPF00410-17 in all correspondence.

\*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>

**CLOSING DATE:** Review of applications will begin on January 3, 2017.

To ensure full consideration, applications should be complete, including letters of recommendation received, by this date.

The position will remain open until filled, but not later than 6/30/2017.

# Professional Opportunities

several undergraduate degrees, as well as MS and Ph.D. degrees in Computer Science, with 145 PhD students currently enrolled. More information regarding the department is available at <http://www.cs.ucr.edu>. Full consideration will be given to applications received by January 2, 2017. We will continue to consider applications until the positions are filled. The position will commence as early as July 1, 2017 or as negotiated. Salary level will be competitive and commensurate with qualifications and experience. A Ph.D. in Computer Science (or in a closely related field) at the start of service is strongly preferred, and required for some levels; however, doctoral candidates at the final stages of their program are also encouraged to apply.



## UC SANTA CRUZ

### Assistant Professor in Computational Media Computer Graphics

Open Until Filled, Initial Review 1/9/2016

The Department of Computational Media at the University of California, Santa Cruz invites applications for a tenure-track Assistant Professor Faculty position.

**BASIC QUALIFICATIONS:** Ph.D. or equivalent foreign degree in Computer Science, Digital Media, Human Computer Interaction, Computer Games, Computational Media or other relevant field, expected to be conferred by June 30, 2017; demonstrated record of research; and, teaching experience (demonstrated by college level teaching experience, TA experience, research presentations and/or professional training seminars).

**PREFERRED QUALIFICATIONS:** Demonstrated excellence in innovative research; and/or a strong record of publications; and/or demonstrated excellence in university teaching at the graduate and undergraduate levels; and/or a record of extramural funding.

Apply at <http://apptrkr.com/921601> Refer to Position #JPF00413-18 in all correspondence. Review of applications will begin on January 9, 2017. To ensure full consideration, applications should be complete and letters received by this date. Application deadline is 6/30/2017.



## UC SANTA CRUZ

### Computer Science: Big Data and Systems, Assistant Professor

**(Open Until Filled; Initial Review 01/03/17)**

**Department of Computer Science**

The Department of Computer Science at the University of California, Santa Cruz (UCSC) invites applications for a tenure track (Assistant Professor) faculty position in big data and systems. We seek outstanding applicants who have demonstrated research and teaching expertise in at least one area in big data and systems, broadly conceived, such as cloud computing, database management, storage systems, distributed systems, mobile computing or high performance computing. The successful candidate is expected to develop a research program, advise graduate students in their research area, obtain external funding, develop and teach courses within the undergraduate and graduate curriculum, to perform university and professional service, and be able to work with students, faculty, and staff from a wide range of social and cultural backgrounds. The campus is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching, and service.

**RANK:** Assistant Professor

**SALARY:** Commensurate with qualifications and experience; academic year (9-month) basis

**BASIC QUALIFICATIONS:** A Ph.D. or equivalent foreign degree in Computer Science or other relevant field expected to be conferred by June 30, 2018; demonstrated record of research and teaching.

**PREFERRED QUALIFICATIONS:** Demonstrated potential for excellence in research; ability to develop an externally funded research program; Ph.D. conferred by June 30, 2017.

**POSITION AVAILABLE:** July 1, 2017 (with academic year beginning September 2017). Ph.D. must be conferred by June 30, 2018 for employment beyond that date.

**TO APPLY:** Applications are accepted via the UCSC Academic Recruit online system and must include: a letter of application, curriculum vitae, a statement of research plans, a statement of teaching interests and experience, 3-4 selected publications, and 3-4 confidential letters of reference\*. Applicants may also submit an optional statement addressing their contributions to diversity through research, teaching, and/or service. All materials must be submitted as PDF files.

Apply at <http://apptrkr.com/906171>

Refer to Position #JPF00409-17 in all correspondence.

\*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at <http://apo.ucsc.edu/confstm.htm>

**CLOSING DATE:** Review of applications will begin on January 3, 2017.

To ensure full consideration, applications should be complete, including letters of recommendation received, by this date. The position will remain open until filled, but not later than 6/30/2017.

VISIT THE APO WEB SITE AT: <http://apo.ucsc.edu>

# Professional Opportunities

To apply, please register through the weblink at <https://aprecruit.ucr.edu/apply/JPF00686> (Assistant Professor) or <https://aprecruit.ucr.edu/apply/JPF00687> (Associate/Full Professor). For inquiries and questions, please contact us at [search@cs.ucr.edu](mailto:search@cs.ucr.edu). Notably, more junior candidates who have demonstrated an exceptionally strong commitment to our University's mission of increasing access for and achievement by individuals from underrepresented groups are encouraged to apply for the PDEF Program. To be considered for the Provost's Diversity in Engineering Fellows Program, please indicate interest in your cover letter.

UCR is a world-class research university with an exceptionally diverse undergraduate

student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification. UCR is implementing a major expansion of our faculty and investing in state-of-the-art research facilities to support their work. This expansion will build critical mass in 34 vital and emerging fields of scholarship, foster truly cross-disciplinary work, and further diversify the faculty at one of America's most diverse research universities. We encourage applications from scholars committed to excellence and seeking to help define the research university for the next generation. For more information about our hiring initiative or to

submit an application, please visit <http://provost.ucr.edu/cluster-hiring/> or <https://aprecruit.ucr.edu/>.

Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input. 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.



## UC SANTA CRUZ

### Computer Science: Teaching Professor

(Open Until Filled; Initial Review 01/06/17)

The Computer Science Department at the University of California, Santa Cruz (UCSC) invites applications for a teaching professor position at the Lecturer with Potential for Security of Employment level. Applicants should be able to contribute to the department's academic degree programs through teaching and service responsibilities. Candidates should have expertise as well as a record of outstanding teaching in computer science. We have a preference for candidates with experience and expertise in teaching introductory and intermediate programming language courses.

Successful candidates will be expected to develop and teach courses within the undergraduate and graduate curriculum, engage in field-related professional achievement and activity, and perform university and professional service. The ability to contribute significantly to graduate education and the mentoring of graduate students is highly desirable. The successful candidate must be able to work with students, faculty, and staff from a wide range of social and cultural backgrounds. We are especially interested in candidates who can contribute to the diversity and excellence of the academic community through their teaching, professional activity, and/or service.

**RANK:** Lecturer with Potential for Security of Employment (LPSOE)

The Teaching Professor in Computer Science is a full-time position with the rights and responsibilities of membership in the Academic Senate and has the official title of "Lecturer with Potential for Security of Employment" (LPSOE) and is analogous to tenure-track.

**SALARY:** Commensurate with qualifications and experience; academic year (9-month) basis

**BASIC QUALIFICATIONS:** Ph.D. or equivalent foreign degree in Computer Science, Computer Engineering, or other related fields, expected to be conferred no later than June 30, 2017; teaching experience (demonstrated by college level teaching experience, TA experience, research presentations and/or professional training seminars), and a demonstrated record of professional achievement and activity.

**POSITION AVAILABLE:** July 1, 2017, with academic year beginning September 2017. Appointment is contingent upon degree being conferred by June 30, 2017.

**TO APPLY:** For more information about this position and how to apply, please go to: <http://apptrkr.com/907346>

**CLOSING DATE:** Review of applications will begin on January 6, 2017. To ensure full consideration, applications should be complete and letters of recommendation received by this date.

# Professional Opportunities

## UC San Diego

### Tenure-Track Assistant Professor Position

The Contextual Robotics Institute at UC San Diego invites applications for a tenure-track Assistant Professor position in robotics who demonstrate the highest standards of scholarship and professional activity in a research area related to the design of robot systems that empower people in their daily lives across work, home, and leisure. Major foci for the Institute include human augmented autonomy, robots in health and work applications, and systems to assist first responders. The required job duties include developing an excellent research program, teaching university students, and service activities. A Ph.D. or advancement to candidacy in a related field is required.

### Applications received by January

**31, 2016** will be given full consideration; however the position is open until filled. For further information and to see <https://apltrcruit.ucsd.edu/apply/JPF01284>.

UCSD is an equal opportunity/affirmative action employer.

## University of California, Santa Barbara

### Joint Lecturer in Computer Science and the College of Creative Studies 2016-2017

The Department of Computer Science (CS) and the College of Creative Studies (CCS) at the University of California, Santa Barbara seek applications for a joint faculty Lecturer position with Potential Security of Employment (LPSOE, similar to tenure-track), with a start date of Fall Quarter 2017.

At the University of California, LPSOE positions lead to security of employment (SOE, similar to tenure), and are faculty positions designed to meet the long-term instructional needs of the University. This position is intended for an innovative individual with an enthusiasm for, and

breadth of knowledge in, Computer Science and its emerging applications in diverse fields. A successful applicant should be committed to student mentoring, to improving undergraduate computer science education and diversity, and to recruiting top high-school graduates, in collaboration with other faculty.

The teaching load will be evenly divided between the CS department and the CCS Computing program. The Department of Computer Science at UCSB is housed in the College of Engineering, has around 35 faculty, 400 undergraduates and 175 graduate students, and offers a traditional BS degree in Computer Science. The College of Creative Studies (CCS) Computing Program is a small, tight-knit community of around 35 talented, passionate, self-directed learners in the context of a major research university, with a focus on early involvement in undergraduate research in Computer Science, and related creative activity. Candidates are urged to learn more about the UCSB Department of Computer Science and the distinctive nature of the College of Creative Studies at their respective websites: <http://www.cs.ucsb.edu> and <http://www.ccs.ucsb.edu>

Preferred qualifications: A demonstrated record of teaching excellence.

Minimum qualifications: A Ph.D. in Computer Science or a related field is required.

The position is to begin with the 2017-18 academic year, and salary will be commensurate with experience. More detail

about the position, and how to apply is available at the UCSB AP Recruit website: <https://recruit.ap.ucsb.edu/apply/JPF00882>

Completed applications received by Dec 12, 2016 will be given primary consideration, thereafter, the position remains open until filled.

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 California, Santa Barbara

### UC Santa Barbara Computer Science Tenure Track Positions 2016-2017

The Department of Computer Science at the University of California, Santa Barbara is entering a period of strategic growth, with plans for new faculty positions that will add to core strengths, explore new and emerging areas of the field, and leverage opportunities across disciplinary boundaries. Towards this goal, the department invites applications for



University of California  
San Francisco

## Program Manager, Computer Science Graduate Programs

University of San Francisco seeks a Program Manager of Graduate Programs in Computer Science. The CS Department offers a vibrant, friendly culture and opportunity to work with top academics while also interacting with and promoting connections to Silicon Valley companies. Program Manager is responsible for administering the graduate programs.

To apply, or for a full job description, visit <http://apptrkr.com/928222>

Applications are due 01/03/2017.

# Professional Opportunities

multiple tenure-track appointments at the Assistant Professor level, effective July 1, 2017. Applicants must have a Ph.D. in Computer Science or a closely related field. We are looking for exceptional individuals from all areas of Computer Science who have a track record of research excellence, a passion to shape the future of the field, and the potential to become an outstanding leader in research and education.

For the coming year we are especially interested in the broad areas of data science (including machine learning), physical computing (focusing on tight integration of computational and physical systems), and secure and verifiable computing. However, candidates in all areas of Computer Science will receive full consideration.

UC Santa Barbara is a premier public research university. The Department of Computer Science is part of the highly ranked College of Engineering, including three Nobel laureates and 29 members of the National Academy of Engineering. With 32 full-time faculty and 120 doctoral students, the department conducts world-class research in a wide range of areas, including collaborative research that crosses several disciplinary boundaries. We are looking for candidates who will add to the department's dynamic culture and stimulating intellectual environment.

Additional information about the department and our academic programs can be found at <http://www.cs.ucsb.edu>.

Primary consideration will be given to applications received by November 21, 2016; however, the position will remain open until filled. Applications should be submitted electronically as PDF documents to <https://recruit.ap.ucsb.edu/apply/JPF00838>.

Applications must include a cover letter, curriculum vitae, statements of research and teaching interests, at least three letters of reference, and the candidate's

top three publications. 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

*Assistant, Associate, or Full Professor,  
Genomics and Bioinformatics*

The University of Central Florida (UCF) has recently established six interdisciplinary clusters to strengthen its academic and research missions. We are building a new Genomics and Bioinformatics Cluster (GBC) (<http://www.ucf.edu/research/genomics>), staffing for which should be completed by Fall 2017. As part of the GBC, we are currently seeking to hire four tenure-earning assistant professors; however, exceptionally well-qualified individuals will be considered at the rank of tenured associate or full professor. Candidates must have a strong research publication record and demonstrated independent research, with either existing research funding, or strong potential to initiate and obtain funding for their research program. The GBC emphasizes multi-disciplinary research in genomics that cover at least two disciplines among biology, biomedical sciences, and computer science. In particular, the GBC is looking to expand research programs in genomics that are enabled by next-generation sequencing technologies and that address one or more areas among molecular evolution, biodiversity, microbiome research (environmental and plant/animal health), new biological model

systems, cancer genetics, infectious diseases, computational biology, systems biology, machine learning and data mining. Strong candidates in other areas of genomics will also be considered.

The GBC members will be expected to strengthen their individual tenure homes as well as the cluster. A strong advantage of this position is the ability of the candidate to choose a tenure home, with mutual consent, among units involved in the cluster. The list of host departments includes Biomedical Sciences (College of Medicine), Biology (College of Sciences), or Computer Science (College of Engineering and Computer Science). A candidate may also be jointly appointed among these as appropriate to qualifications and interest. All GBC faculty members (and their students) will be housed jointly to facilitate collaboration.

Candidates must have a Ph.D. or M.D./Ph.D. from an accredited institution in an area appropriate to the cluster at the time of appointment. Postdoctoral research training experience is also strongly preferred.

The University of Central Florida is the nation's second-largest university with more than 63,000 students. UCF has grown substantially in size, quality, diversity, and reputation in its first 50 years. Today, the university offers more than 200 degree programs at its main campus in Orlando and more than a dozen satellite locations. UCF is an economic engine, attracting and supporting industries vital to the region's future while providing students with real-world experiences that help them succeed after graduation. For more information, visit <http://www.ucf.edu/faculty/>.

Candidates must apply online at <https://www.jobswithucf.com/postings/47009> and provide the following materials: a cover letter, curriculum vitae, teaching statement, research statement, and contact information for three professional

# Professional Opportunities

references. In the cover letter, candidates should address their background in genomics and/or bioinformatics and identify the anticipated department(s) for their potential tenure home. In the research statement candidates should include descriptions of their successful interdisciplinary research collaborations and how their current and future research can contribute to the cluster's overall interdisciplinary objectives. Please have all documents ready when applying so they can be attached at that time. Once the online submission process is finalized, the system does not allow applicants to submit additional documents at a later date.

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.

The search committee will begin reviewing applications in November 2016 and continue until the positions are filled.

For more information about these positions, please contact the Cluster Search Chair, Shibu Yooseph, at [GenomicsCluster@ucf.edu](mailto:GenomicsCluster@ucf.edu).

## University of Central Florida

### Assistant or Associate Professors in Faculty Cluster for Cyber Security and Privacy

The University of Central Florida (UCF) has established a focus area in cyber security and privacy, as one of six interdisciplinary clusters established to strengthen its academic offerings and research mission. In support of this effort, we are recruiting faculty in the broad area of cyber security and privacy. We plan to hire four tenure-track assistant or associate professors for the cyber security and privacy cluster.

These positions have a start date of August 8, 2017.

These will be interdisciplinary positions that will be expected to both contribute to the common vision of the cyber security and privacy initiative and also strengthen a chosen tenure home department (or departments, when a joint appointment is preferable). A strong advantage of this position is the ability of the candidate to choose a combination of units from the cluster for their appointment. The cluster includes core members from Computer Science, Electrical and Computer Engineering, Industrial Engineering and Management Systems, the Institute for Simulation & Training, Political Science, Psychology, and Statistics, and affiliated members from several other departments. (See <http://www.ucf.edu/research/cyber-security> for a complete list of all the units involved.) This cluster will be the focal point of the University's research and educational efforts in cyber security and privacy. Both individual and interdisciplinary infrastructure and startup support will be provided with these new positions.

The ideal junior candidates will have a strong background in cyber security and privacy, and be on an upward leadership trajectory in these areas. They will have research impact, as reflected in high-quality publications and the ability to build a well-funded research program. We are looking for team players who can help bring together current campus efforts in cyber security or privacy. In particular, we are looking for four faculty who work at the intersection of several areas, such as: (a) explaining and predicting human behavior, creating policies, studying ethics, and ensuring privacy, (b) cryptography and theory of security or privacy, (c) hardware and IoT security, or (d) tools, methods, training, and evaluation of human behavior.

Applicants must have a Ph.D., terminal degree, or foreign degree equivalent from an accredited institution in an area appropriate to the cluster, and a record of high impact research related to cyber security and privacy, demonstrated by a strong scholarly and/or funding record. A history of working with teams, especially teams that span multiple disciplines, is a strongly preferred qualification. The positions will each carry a rank commensurate with the candidate's prior experience and record.

Located in Orlando, UCF is one of the nation's most dynamic metropolitan research universities. UCF has the top-tier Carnegie Foundation designation of a "very high research activity" university, is the nation's second-largest university, and is ranked by U.S. News and World Report as among the top up-and-coming universities in terms of innovative changes in the areas of academics, faculty, and student life. UCF's Orlando location also puts it at the center of the Florida High Tech Corridor. The corridor has an excellent industrial base that includes: software, defense, space, simulation and training, and a world-renowned entertainment industry. Adjacent to UCF is a thriving research park that conducts over \$2 billion in funded research, hosting more than 100 high-technology companies and UCF's Institute for Simulation and Training. The Central Florida area is designated by the State of Florida as the Center of Excellence in Modeling and Simulation. UCF also has an accredited medical school, which was established in 2006. UCF is a neighbor to large corporations, such as Disney, Harris Corporation, Lockheed Martin, Siemens, and many others, all of which have a strong interest in cyber security and privacy. Great weather, easy access to the seashore, one of the largest convention centers in the nation, and one of the world's best airports

# Professional Opportunities

are just a few features that make Orlando an ideal location.

Candidates must apply online at <http://www.jobswithucf.com/postings/47217> and attach the following materials: a cover letter, curriculum vitae, teaching statement, research statement, and contact information for three professional references. In the cover letter candidates must address their background in cyber security and privacy, and identify the department or departments for their potential tenure home and the joint appointments they would desire. When applying, have all documents ready so they can be attached at that time, as the system does not allow resubmittal to update applications.

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.

For more information about these positions please contact the Cluster Search Chair, Gary T. Leavens, at [Leavens@ucf.edu](mailto:Leavens@ucf.edu).

## University of Colorado

### Assistant Professor

The Department of Computer Science at the University of Colorado (CU) Boulder seeks applications for multiple tenure-track positions. The openings are targeted at the level of assistant professor, but experienced candidates may be considered for associate or full professor. Research areas of particular interest include, but are not limited to, security, systems, high-performance computing, computational science and engineering, and data-driven approaches to robotics (especially mobile manipulation). Computational biology is

also an area of particular interest, and interested applicants should apply to the joint BioFrontiers and Computer Science search (<http://biofrontiers.colorado.edu/about/careers/careers>). Our department is committed to fostering an inclusive environment, and we seek candidates who understand the benefits of interdisciplinary collaborations with students, faculty and other researchers from across CU. Our department is also responsive to dual career situations.

Successful candidates are those who demonstrate the potential for excellence in both research and teaching, including a commitment to teaching and working with undergraduate and graduate students of varied backgrounds. Candidates must have a Ph.D. in computer science or a related discipline and show promise and interest in developing an independent and internationally recognized research program.

Applications received by December 1, 2016 will be given priority and are accepted electronically at <http://www.colorado.edu/cs/faculty-search-2017> with further details.

The University of Colorado is an Equal Opportunity/Affirmative Action employer.

## University of Colorado Denver

### Dean

The University of Colorado Denver invites nominations and applications for the Dean of the College of Engineering and Applied Science.

The University of Colorado Denver | Anschutz Medical Campus is a comprehensive urban research university serving more than 18,000 students in metropolitan Denver and online. We award nearly 5,000 degrees each year. With our solid academic reputation, award-winning faculty and renowned researchers, we offer nearly 150 highly rated degree programs through 13 schools and colleges. Our campuses currently have

over \$400 million in research awards each year. In addition to the significant number of undergraduate and graduate degree programs at our comprehensive campus in the heart of Denver, we offer a wide array of health-related programs and facilities at our Anschutz Medical Campus. Denver is one of America's most vibrant urban centers and the CU Denver campus, located just steps from the Denver Center for Performing Arts, the central business district and the Lower Downtown Historic District (LoDo), affords our students, faculty and staff access to a broad array of academic, professional, community, recreational and cultural outlets.

The College of Engineering and Applied Science has a strong foundation in applied research and experiential learning. All eligible undergraduate programs are fully accredited by the Accreditation Board for Engineering and Technology. The college is home to five departments, including Bioengineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering and Mechanical Engineering. It also has three research centers: Center for Geotechnical Engineering Science, Center for Sustainable Infrastructural Systems, and Transportation Research Center. It offers bachelors through doctoral degrees in each discipline, including a unique interdisciplinary Engineering and Applied Science PhD and joint graduate programs with the College of Architecture and Planning and the Business School.

The mission of the college is to provide the highest quality engineering and computer science educational degree programs, to conduct cutting edge research in science and technology, to translate innovative new technologies motivated by research for the benefit of human society, and to become a catalyst for regional economic development.

The college has nationally recognized faculty in several prominent research areas of international importance.

# Professional Opportunities

In recent years, faculty have earned prestigious research awards from the National Science Foundation, the National Institutes of Health, the Bill and Melinda Gates Foundation, Google, the Department of Education, the National Institute of Standards and Technology, General Motors, and more. The campus is in close proximity to several national research labs, public institutions, and government entities including, the National Renewable Energy Lab, the National Oceanic and Atmospheric Administration, National Center for Atmospheric Research, the University of Colorado Boulder, Colorado State University, Colorado School of Mines, University of Denver, and the Air Force Academy.

The college is the only engineering college in the metropolitan region where working individuals can earn both undergraduate and graduate degrees entirely through late afternoon and evening studies. Its central location offers ample hands-on learning opportunities for students and access to relevant industry connections and partnerships.

The Dean of the College of Engineering and Applied Science is responsible for the effective leadership of the teaching, scholarship (creative work/research), and outreach/engagement activities in the college.

The Dean will provide leadership for the college's curricular initiatives, research and scholarship, professional training, and recruitment and retention of high quality faculty, staff, and student talent. The Dean is expected to: provide exceptional leadership and overall direction as they lead the college into the forefront as a dynamic and responsive leader in engineering education; work collaboratively with the faculty and staff and effectively and meaningfully engage the engineering community. The Dean is also responsible for the college's strategic planning.

program evaluation and development, corporate outreach, alumni engagement, fundraising, enrollment, retention, student persistence and completion, market planning, interdisciplinary initiatives in education and research, and the management of the college's administrative and financial affairs. As the chief academic officer of the college, the Dean also appoints department heads, oversees accreditation, develops new curricula and programs, and strengthens external relationships. The ideal candidate must be an effective fundraiser who is able to establish beneficial relationships with alumni donors and friends, industry partners, the engineering community, government agencies, and the college's various constituents.

The ideal candidate will have a strong, demonstrated commitment and accomplishment in building diversity and inclusion, an understanding of the challenges of engineering education in an increasingly competitive and technologically diverse environment, demonstrated effective leadership skills, and the ability to motivate

and manage change, energize and lead a committed faculty and staff, and the ability to forge partnerships, raise funds and partner with the engineering community.

This position requires an earned terminal Doctorate from an institution of higher education in a discipline relevant to the academic programs of the College of Engineering and Applied Science, leadership experience in higher education, and a record of scholarship, teaching and service sufficient to be appointed as a full professor with tenure at the University of Colorado Denver | Anschutz Medical Campus. In addition to these minimum qualifications, the ideal candidate will have demonstrated senior-level leadership success at a research university and/or sustained executive-level success in the engineering profession.

Salary and benefits will be competitive and commensurate with experience. The University of Colorado Denver | Anschutz Medical Campus is dedicated to insuring a safe and secure environment for our faculty, staff, students and visitors. To assist in achieving that goal, we conduct criminal



University of Colorado  
Denver

## ASSISTANT PROFESSOR Computer Science and Engineering

The Department of Computer Science and Engineering in the College of Engineering and Applied Science at the University of Colorado Denver invites applications for the position of Assistant Professor.

The candidate will be expected to develop and teach lecture and laboratory courses at all levels, establish an active, externally funded research program; conduct high quality research involving students at all levels, leading to sponsored research and refereed publications; advise students; and contribute to Department, College, and University governance and to the profession. The candidate must have a Ph.D. in Computer Science or closely related field and demonstrated expertise in computer science as evidenced by the candidate's record. Areas of cybersecurity, software engineering, artificial intelligence, programming languages and compilers, bioinformatics, computer systems, HCI, or a related field are preferred.

Applications are accepted electronically at <http://www.cu.edu/cu-careers> (refer to job posting 02763).

*The University of Colorado is committed to diversity and equality in education and employment.*

# Professional Opportunities

background investigations for all prospective employees.

To apply, please visit: <https://www.cu.edu/cu-careers> and attach: (1) a cover letter addressing your qualifications relative to the position requirements and (2) a current CV. Applications will be accepted until finalists are identified. Preference will be given to applications received by December 12, 2016. Please direct inquiries to Karen Fennell, Executive Assistant to the Dean for the College of Liberal Arts and Sciences at [karen.fennell@ucdenver.edu](mailto:karen.fennell@ucdenver.edu).

*The University of Colorado is committed to diversity and equality in education and employment.*

## University of Connecticut

*Professor and Synchrony Chair for Cybersecurity*

The Computer Science & Engineering (CSE) Department at the University of Connecticut invites applications for a tenure-track faculty position at full professor level. The position has an expected start date of August 23, 2017. This position is in cybersecurity, with responsibilities to advance education and research in computer security and possibly drawing from closely related or emerging fields. In addition, the successful candidate is eligible for the Synchrony Financial Chair for Cybersecurity, an endowed chair in cybersecurity to advance education and research in cryptography, security engineering, security architecture, secure coding, network and cloud security, malware detection and other emerging security fields. For more information and to apply, please click on the link and follow the instructions <https://academicjobsonline.org/ajo/jobs/8559>

As an Affirmative Action/Equal Employment Opportunity employer, UConn encourages applications from women, veterans,

people with disabilities and members of traditionally underrepresented populations.

## University of Delaware

### Teaching Faculty

The Department of Computer & Information Sciences at the University of Delaware invites applications for a teaching faculty position to begin September 1, 2017. This is a full-time, non-tenure track position with initial two-year contract, renewable in a program that leads to substantial job security including sabbatical benefits.

The candidate's primary responsibility will be teaching, typically three to four courses per semester at both introductory (freshmen/sophomore) and advanced (junior/senior) levels. The candidate will also participate in curriculum development, student advisement, and service on department committees. Applicants should have a record of teaching excellence and a strong commitment to teaching and service. A Ph.D. in computer science or a closely related discipline by the start date is expected, though exceptional candidates with masters degrees will be considered.

One of the oldest institutions of higher education in this country, the University of Delaware is a premier co-educational institution of 15,000+ undergraduate students and 3000+ graduate students.

With a distinguished faculty and strengths in study abroad, undergraduate research and discovery learning, the University offers a broad range of undergraduate and graduate degrees across seven colleges. The beautiful 100-acre central campus is located in Newark, DE, about halfway between New York City and Washington, DC. More information about the Department and the University is available at <http://www.cis.udel.edu> and <http://www.udel.edu/aboutus/>, respectively.

For a complete list of requirements and job duties and to apply online, please visit the UDJOBS website at <https://apply.interfolio.com/39414>

### Equal Employment Opportunity

The University of Delaware is an Equal Opportunity Employer which encourages applications from minority group members, women, individuals with a disability and veterans. The University's Notice of Non-Discrimination can be found at <http://www.udel.edu/aboutus/legalnotices.html>.

Employment offers will be conditioned upon successful completion of a criminal background check. A conviction will not necessarily exclude you from employment.

## University of Edinburgh

### Faculty Positions

Multiple open permanent faculty positions (at all levels of seniority) in Algorithms and Complexity, at the University of Edinburgh, School of Informatics.

(Application deadline: January 31st, 2017)

See webpage: <http://wcms.inf.ed.ac.uk/lfcs/news/open-faculty-positions-in-ac>

## University of Houston

### Department of Computer Science Faculty Positions

The Department of Computer Science at the University of Houston ([www.cs.uh.edu](http://www.cs.uh.edu)) invites applications for multiple tenure-track faculty positions at all ranks to begin in the 2017-18 academic year. The department is in a phase of significant growth in sponsored research, faculty size, and student enrollments. Outstanding candidates working on all areas of Computer Science are encouraged to apply. Special consideration will be given to the following areas: Security and Privacy, Software Engineering, High Performance Computing, and Big Data. Applicants should hold a doctoral degree in

# Professional Opportunities

Computer Science, Computer Engineering, or a closely related field.

The department places a strong emphasis on research and its academic programs. The department has 23 tenured and tenure-track faculty members with world-class research groups in Algorithms and Theory, Biomedical Computing, Cybersecurity, Data Analytics, Parallel and Distributed Computing, Systems, and Visual Computing. Several faculty members are recipient of the prestigious NSF CAREER award. The University of Houston is a NSA-designated Center of Academic Excellence for Cyber Defense Research and leads the Borders, Trade and Immigration Institute (<http://www.uh.edu/btti>), a Department of Homeland Security Center of Excellence.

The University of Houston is a Carnegie-designated Tier One research institution and is the flagship campus of a state-assisted system. UH is also listed as one of the nation's best institutions for undergraduate education by the Princeton Review. The University of Houston is located in one of the most vibrant metropolitan areas. Houston, the 4th largest U.S. city, is the epicenter of the energy industry, features the largest medical center in the world, and hosts the Johnson Space Center. Houston is a fast growing, multi-cultural, diverse and affordable city known for museums, art events, and sports teams.

Candidate screening will begin on December 1, 2016 and to ensure full consideration applications must be received by January 9, 2017. Applicants should submit their cover letter, Curriculum Vitae, research and teaching statements, and up to two representative publications. Junior candidates should arrange for at least three professional references while senior candidates should provide at least five. To apply visit: <http://jobs.uh.edu/postings/32850>

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 increase diversity and the participation and advancement of women in STEM. The department is seeking outstanding candidates with the potential for exceptional research, excellence in teaching, and a clear commitment to enhancing the diversity of the faculty, graduate, and undergraduate student population. The University of Houston is responsive to the needs of dual career couples. The University of Houston is an equal opportunity/affirmative action employer. Minorities, women, veterans, and persons with disabilities are encouraged to apply.

## University of Houston

### *Department of Computer Science Instructional Faculty Position*

The Department of Computer Science at the University of Houston ([www.cs.uh.edu](http://www.cs.uh.edu)) invites applications for a full-time Instructional Assistant Professor to begin in the 2017-18 academic year. Responsibilities will involve coordinating and teaching undergraduate lecture and laboratory courses in Computer Science along with engagement in curricular and instructional innovation, scholarship of teaching, student recruitment, advising and service.

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 23 tenured and tenure-track faculty members, 4 instructional faculty members and over 1100 students across its degree programs. Our department is committed to offering a stimulating program with 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 a doctoral degree in Computer Science, Computer Engineering, or a closely related field, and preference will be given to candidates who have innovative ideas for lecture and laboratory instruction. A proven teaching record at the university level is highly desirable.

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, and U.S. News & World Report listed UH as the No. 2 most racially/ethnically diverse university in the nation.

Candidate screening will begin on December 1, 2016 and to ensure full consideration applications must be received by January 9, 2017. Applications should be submitted electronically. Instructions can be found at: <http://jobs.uh.edu/postings/32847>

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 increase diversity and the participation and advancement of women in STEM. The department is seeking outstanding candidates with the potential for exceptional research, excellence in teaching, 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

# Professional Opportunities

Action institution. Minorities, women, veterans and persons with disabilities are encouraged to apply.

## University of Illinois at Chicago

*Teaching Faculty - Computer Science*

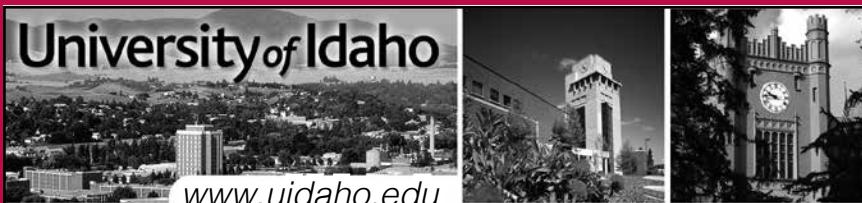
The Computer Science Department at the University of Illinois at Chicago

is seeking full-time teaching faculty members for fall 2017. Two tracks are available for applicants, clinical track (Clinical Assistant Professor, Clinical Associate Professor and Clinical Professor) for those who have a PhD in Computer Science, and lecturer track (Lecturer and Senior Lecturer) for those who don't. The department is committed to effective

teaching. Candidates would be working alongside 7 full-time teaching faculty with over 100 years of combined teaching experience and 11 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, theory/algorithms, discrete math, computer organization/systems, databases, software design, and web development. Candidates interested in Computer Science Education research are especially encouraged to apply. The teaching load is 3 undergraduate courses per semester.

The University of Illinois at Chicago (UIC) is one of the top-10 most diverse universities in the US (US News and World Report). 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 Master's degree, for Lecturer, or PhD, for Clinical Assistant Professor, 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, and a statement describing your past experience in activities that promote diversity and inclusion (or plans to make future



## College of Engineering Assistant/Associate Professor - 3 faculty openings

The Computer Science (CS) Department at the University of Idaho (UI) seeks 3 faculty at the rank of Assistant/Associate Professor in either Moscow or Idaho Falls with emphasis in 1) large-scale database management (big data), data analytics and data mining, machine learning, visualization, and/or high performance computing or 2) Expertise in cybersecurity is sought for industrial control systems including embedded systems security, computer and network security, or digital forensics, reverse engineering hardware/software, malware analysis, specialized experience with power and energy systems, operations technology (OT). Startup funding and research support will be extended to help the new appointees establish a successful career and develop an externally funded research program. The successful candidates will have an earned PhD in CS or a closely related field.

Existing research centers of excellence include the Institute for Bioinformatics and Evolutionary Studies, National Institute for Advanced Transportation Technology, Center for Secure and Dependable Systems, Center for Modeling Complex Interactions and the Northwest Knowledge Network. A significant number of our faculty have joint appointments with Idaho National Laboratory (INL). We are a certified National Center of Academic Excellence (CAE) in Information Assurance and Cybersecurity Education.

### For a complete profile of these opportunities and how to apply please visit:

Computer Science Faculty, Idaho Falls F000503P - <http://apptrkr.com/921683>

Computer Science IGEM Regular Faculty, Idaho Falls F000504P - <http://apptrkr.com/921684>

IGEM Regular Faculty, Moscow F000506P - <http://apptrkr.com/921685>

We highly encourage candidates from underrepresented US minority groups and/or females to apply for this position. The UI is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender, gender identity, marital status, national or ethnic origin, race, religion, sexual orientation or veteran status.

An Equal Opportunity/Affirmative Action Employer

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contributions). For additional information contact Professor Mitch Theys, Committee Chair, [mtheys@uic.edu](mailto:mtheys@uic.edu).

For fullest consideration, please apply by February 1, 2017. We will continue to accept applications until the position is 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

### Tenure Track or Tenured Faculty Position: Assistant, Associate or Full Professor

The Department of Biomedical and Health Information Sciences (BHIS), College of Applied Health Science (AHS), at the University of Illinois at Chicago (UIC), invites applications for a tenure-track or tenured faculty position at the level of Assistant, Associate or Full Professor in the area of biomedical and health informatics—beginning Fall 2017.

UIC is a public research university with a Carnegie One Research University classification. In addition to the College of Medicine, collaborative efforts span six additional health science colleges—as well as Engineering, Computer Science, and Business. UIC is a major research university with \$350 million in annual external funding. As a \$1.5 billion enterprise, the UI Health System is unique among U.S. academic medical centers in its focus in delivering personalized health to “at risk” populations.

BHIS houses programs at the undergraduate, graduate, and post-professional level, including a new PhD program in Biomedical and Health

Informatics. The four programs include: Biomedical and Health Informatics (BHI), Biomedical Visualization (BVIS), Health Informatics (HI), and Health Information Management (HIM), consisting of 22 full-time tenure track and clinical rank faculty and 72 adjunct faculty. BHIS's projected 2016-17 total enrollment will be approximately 900 students, and is the second largest department in the College. Importantly, of the four BHIS programs, Biomedical and Health Informatics remains the primary research unit in the department. In 2011-16, BHIS managed \$4.8M in awarded grants.

Currently, research faculty in the area of BHI pursue the effective uses of biomedical data, information, and knowledge for scientific inquiry and decision-support—motivated by efforts to improve human health, particularly through the use of health information technology. Particular faculty interests include: clinical information systems and decision-support, electronic/data visualization, data simplification, communication and care coordination, mobile computing and personal health records, human-computer interaction and human factors, social networking, clinical data warehouses/data marts, natural language processing, terminology/ontologies, population health and health disparities, simulation-intelligent systems, patient safety/health information technology, social and organizational issues in computing, and privacy/security.

### Requirements:

Applicants must have a PhD, MD, or equivalent degree in biomedical informatics, health informatics, computer science, human-computer interaction, human factors, or other related fields—with an emphasis in the health sciences. Applicants must demonstrate successful grantsmanship, as well as in-depth knowledge of content matter in one or more of these disciplines: clinical research informatics, clinical informatics, consumer-facing informatics,

health information technology, health behavior, brain sciences, mobile health, telemedicine, and/or population health informatics.

Applicants are expected to develop an independent research program by identifying funding opportunities, participating in and/or leading collaborative research teams in developing grant proposals, and executing funded applications/projects. Additionally, applicants are expected to demonstrate ongoing scholarship as evidenced by participation at meetings of national and/or international professional associations, publishing in high impact factor peer-reviewed journals, and other related activities. Continued growth, currency, and broadening of individual knowledge and expertise within the profession is also an expectation.

Applicants are also expected to participate in the academic mission of the department by teaching, mentoring, and directing graduate students at the MS and PhD levels, and by providing creative leadership in the development of graduate programming and graduate-level coursework. It is anticipated that the applicant will contribute to departmental and college committees, as well as professional and/or public service activities as appropriate. Experience in teaching and/or mentoring and directing graduate students is a plus.

Interested individuals should submit: a cover letter, curriculum vitae, a research statement (including a brief plan for proposed future grant activity), three selected publications (PDFs), and three references with contact information.

For fullest consideration, applications should be submitted by January 17, 2017.

Please follow the link below to apply.

<https://jobs.uic.edu/job-board/job-details?jobID=72370>

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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.

UIC is an EOE/AAM/F/Disabled/Veteran.

## University of Illinois at Springfield

### Assistant Professor of Computer Science

The Computer Science Department at the University of Illinois at Springfield (UIS) invites applications for two Assistant Professor, tenure track positions to begin August, 2017. 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. The position involves graduate and undergraduate teaching, supervising student research, and continuing your research. Many of our classes are taught online. Applicants, especially early career, are invited from all areas of computer science, but the ability to teach core computer science is of special interest for the Department. The UIS Computer Science Department offers innovative programs in software engineering, information systems security, and data analytics. In the fall 2016, there were over 1,300 majors in online and on campus bachelor's and master's computer science degree programs.

Applications must be submitted online at <https://jobs.uis.edu/job-board>. Applicants should navigate to the Faculty category and Computer Science position. Applicants should create a profile, complete the online application, and upload a cover letter, curriculum vita, statements of teaching philosophy and research interests, and contact information for three references.

Letters of reference and transcripts may be requested at a later date. Review of applications will begin on January 15, 2017 and continue until the position is filled or the search is terminated. Only those applicants who complete the online application and upload all required materials will be considered. To maintain the integrity and confidentiality of the search, applicants are asked to upload their own materials.

Located in the state capital, the University of Illinois Springfield is one of three campuses of the University of Illinois. You are encouraged to visit the university web page at <http://www.uis.edu> and the department web page at <http://csc.uis.edu>. 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.

## University of Iowa

### Multiple Assistant Professor Positions

The Computer Science Department invites applications for two tenure-track faculty at the level of assistant professor starting in August 2017.

Both positions are part of an institution-wide initiative in **informatics**. Of particular interest are candidates with scholarly interests in either **security and privacy** for networks, cyber-physical systems, and infrastructure for healthcare, energy, and/or manufacturing (e.g., IoT, medical devices, safety-critical systems, cryptography, cryptocurrency, privacy-preserving systems and computations, usable privacy and security, etc.), or **text analytics** (e.g., computational linguistics, probabilistic and statistical text models, text and web mining frameworks, algorithms for large scale heterogeneous and noisy text data and text analytics in domains such as biomedicine

and the social sciences). We also welcome applications from collaboration-minded scholars in related application-oriented areas of informatics (e.g., data analytics, systems software, machine learning, theory and algorithms, embedded systems, networks and smart sensors, computer graphics and visualization).

For both positions, responsibilities include conducting externally funded research in the candidate's area of expertise, teaching undergraduate and graduate computer science and/or informatics courses, supervising graduate student research, and making service contributions to the Department, the College, the University, and the discipline. Successful candidates will also join the University-wide multidisciplinary informatics cluster initiative and will work closely with existing faculty and staff who form the core of this ambitious program to foster creativity and interdisciplinary collaboration. Participation in the cluster initiative will be an important component of faculty performance evaluations.

Applications should include a CV, a research and teaching statement, and contact information for three references (letters will be solicited by the Department). For additional information and to apply online, visit <http://www.cs.uiowa.edu/hiring/>. Applications received by January 1, 2017, are assured of full consideration.

### Required Qualifications:

Candidates must hold a PhD in computer science, informatics, or a closely related discipline at time of appointment. Research interests must align with those of the Department and the informatics initiative. Appointments will be made within the Computer Science Department, which offers the BA, BS, MCS, and PhD degrees in Computer Science, the BA and BS degrees in Informatics and the BSE degree in Computer Science & Engineering.

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## Desirable Qualifications:

An interest in solving interdisciplinary problems, the ability to work with interdisciplinary teams, and prior teaching experience.

**About Iowa:** With just over 30,000 students, the University of Iowa is one of the nation's top public research universities, a member of the Big Ten conference since 1899, and an Association of American Universities member since 1909. The University is known for its balanced commitment to the arts, sciences, and humanities. Located in Iowa City, an urbanized area of 100,000 people that is widely recognized as one of the country's most livable communities, the University offers over 200 majors and has an annual externally funded research budget of over \$500M.

*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 apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, religion, national origin, age, sex, pregnancy, disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, associational preferences, or any other classification that deprives the person of consideration as an individual. The University also affirms its commitment to providing equal opportunities and equal access to University facilities. The University of Iowa is an equal opportunity / affirmative action employer.*

## University of Kentucky

### Computer Science/Engineering Faculty (Open Rank Search)

The University of Kentucky Computer Science Department invites applications for multiple tenure-track faculty positions to begin in either January or August of 2017.

We are seeking energetic and creative faculty who have a passion for teaching students and for building a research program centered on advanced computing. We will consider all ranks, with preference for candidates at the assistant professor level. Outstanding candidates at the rank of assistant professor will be considered for an endowed fellowship.

We value collaborative and interdisciplinary research. 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. We favor researchers who are eager to collaborate to solve problems that extend beyond their own research areas.

We seek applications from excellent candidates in all areas, with a particular desire for expertise in computer networking, security and privacy, machine learning, big data and data mining, visualization and computer vision, artificial intelligence, and software engineering. These areas complement the department's Laboratory for Advanced Networking, Software Verification and Validation Lab, and established collaborations with the Center for Computational Sciences and the Center for Biomedical Informatics.

We value teaching and the student experience. Candidates should be eager and prepared to teach upper-level courses in their areas of expertise, as well as (ultimately) core courses in our ABET-

accredited undergraduate Computer Science and Computer Engineering programs. The University of Kentucky Computer Science Department, one of the first CS departments in the United States, has 21 faculty members committed to excellence in education, research, and service. The Department offers 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 <http://ukjobs.uky.edu/postings/123838>. Applications are now being accepted. Review of credentials will begin immediately and continue until the positions are filled.

For more detailed information about these positions, go to <http://ukjobs.uky.edu/postings/123838>. Questions should be directed to HR/Employment by phone at 1-859-257-9555 press 2 or email ([ukjobs@email.uky.edu](mailto:ukjobs@email.uky.edu)), or to Diane Mier ([diane@cs.uky.edu](mailto:diane@cs.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.

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## University of Louisiana Lafayette

### Multiple Positions

The School of Computing and Informatics (<http://cmix.louisiana.edu>) at UL Lafayette invites applications for one tenured Associate or Full Professor position and four tenure-track Assistant Professor positions. While outstanding applicants in all pertinent areas of research will be considered, preference will be given to candidates with expertise in big data analytics, networking and networked systems, and health informatics. Additionally, the School invites applications for two Instructor (non-tenure-track) positions.

The School offers B.S. degrees in Computer Science and in Informatics, respectively; and M.S. degrees in computer science and computer engineering, and Ph.D. degrees in computer science and computer engineering, in the Center of Advanced Computer Studies (CACS). More information about the School is available at <http://cmix.louisiana.edu>.

To apply for tenured and tenure-track positions, please submit your application package online at <https://academicjobsonline.org/ajo/jobs/8605> (for senior position) or <https://academicjobsonline.org/ajo/jobs/8603>. Prospective applicants must hold a Ph.D. in Computer Science, Computer Engineering, or closely related fields by the appointment time, possess a record of research excellence, and demonstrate strong teaching commitments to graduate and undergraduate courses. Senior applicants must have established research recognition with a substantial funding record.

Application packages for Instructor positions can be submitted online at <https://academicjobsonline.org/ajo/jobs/8604>. Successful applicants must have a Master's Degree in Computer Science or a closely related field by the date of

appointment, a demonstrated commitment to undergraduate computer science and informatics education, academic advising, assist with assessment and accreditation, and a record of relevant professional development activities. Desirable areas of expertise are listed in the submission website given above.

The review process will begin on January 16, 2017 and continue until positions are filled. Email any question to [cmixsearch-list@louisiana.edu](mailto:cmixsearch-list@louisiana.edu).

## University of Maryland, Baltimore County

### Assistant Professor, Computer Science

UMBC's Department of Computer Science and Electrical Engineering invites applications for two tenure-track Computer Science Assistant Professor positions to begin in Fall 2017. Exceptionally strong candidates for higher ranks may be considered. Applicants must have or be completing a Ph.D. in a relevant discipline, have demonstrated the ability to pursue a research program, and have a strong commitment to undergraduate and graduate teaching.

All areas of specialization will be considered, but we are especially interested in candidates in the following areas: information assurance and cybersecurity; mobile, wearable and IoT systems; big data with an emphasis on machine learning, analytics, and high-performance computing; knowledge and database systems.

The CSEE department is vibrant, research-oriented and multi-disciplinary with programs in Computer Science, Computer Engineering, Electrical Engineering and Cybersecurity. Our faculty (35 tenure-track, eight teaching and ten research) enjoy collaboration, working across our specializations as well as with colleagues from other STEM, humanities and the arts

departments and external partners. We have more than 1500 undergraduate and 600 graduate students in our programs.

**UMBC** is a dynamic public research university integrating teaching, research and service. The 2016 US News and World Report Best Colleges guide ranked it as one of the five *Most Innovative National Universities* and as one of the top 20 for *Best Undergraduate Teaching*. Our strategic location in the Baltimore-Washington corridor is close to many federal laboratories and agencies and high-tech companies, facilitating interactions, collaboration, and opportunities for sabbaticals and visiting appointments.

**Applicants** should submit a cover letter, statement of teaching and research experience and interests, CV, and three letters of recommendation at <http://apply.interfolio.com/37418>. Applications received by January 15, 2017 are assured full consideration. See <http://csee.umbc.edu/jobs> for more information and send questions to [jobsTT@csee.umbc.edu](mailto:jobsTT@csee.umbc.edu). UMBC is an Affirmative Action/Equal Opportunity Employer.

## UMBC

### Information Systems (IS) Department Assistant Professor

The Information Systems (IS) Department at UMBC is committed to increasing the diversity of our community. We invite applications for three tenure-track faculty positions at the Assistant Professor level starting August 2017. We are searching for two candidates with research interests and experience in Data Science, a research area with high growth and impact in environmental sciences, health care, security, applied statistics and others. The ideal candidate will have expertise in conducting large-scale data science research, such as extracting knowledge

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from data of increasing sizes, velocity, and variety to improve decision making in one or more application domains closely relevant to active research areas in the IS department. We are also searching for a candidate with research interests and experience in Artificial Intelligence (AI) and/or knowledge management (KM). The ideal candidate should have expertise in conducting AI/KM research to improve decision making in application domains such as social computing, health, business analytics, environmental sustainability, and public welfare. Candidates must have earned a PhD in Information Systems or a related field no later than August 2017.

The research areas in the department are: Artificial Intelligence/Knowledge Management, Databases and Data Mining, Human Centered Computing, Software Engineering, and Health Information Technology. Candidates should be engaged in research that fosters collaboration with at least one of the research areas. Therefore, preference will be given to those who can collaborate with current faculty within and across departments at UMBC, fostering interdisciplinary research. Candidates are expected to establish a collaborative, externally funded and nationally recognized research program as well as contribute to graduate and undergraduate teaching, advising, and mentoring that support diversity and inclusion.

The Department offers undergraduate degrees in Information Systems and Business Technology Administration. Graduate degree programs, MS and PhD, are offered in both Information Systems and Human-Centered Computing, including an innovative online MS program in IS. Consistent with the UMBC vision, the Department has excellent teaching facilities, state-of-the-art laboratories, and outstanding technical support. Further details on our research, academic

programs, and faculty can be found at <http://www.is.umbc.edu>.

UMBC is a dynamic public research university integrating teaching, research and service. As an Honors University, the campus offers academically talented students a strong undergraduate liberal arts foundation that prepares them for graduate and professional study, entry into the workforce, and community service and leadership. UMBC emphasizes science, engineering, information technology, human services and public policy at the graduate level. UMBC contributes to the economic development of the State and the region through entrepreneurial initiatives, workforce training, K-16 partnerships, and technology commercialization in collaboration with public agencies and the corporate community. Diversity is a core value of the UMBC and we believe that the educational environment is enhanced when diverse groups of people with diverse ideas come together to learn. Therefore, members of under-represented groups including women, minorities, veterans and individuals with disabilities are especially encouraged to apply.

UMBC continues to lead U.S. News national university rankings placing fourth in Most Innovative National University and sixth in Undergraduate Teaching. The Chronicle of Higher Education for the fifth consecutive year has listed UMBC in the "honor roll" of "Great Colleges to Work For"; it is the only Maryland four-year institution to be recognized. Our strategic location in the Baltimore-Washington corridor puts us close to many important federal laboratories, agencies and high-tech companies. UMBC's campus is located on 500 acres just off I-95 between Baltimore and Washington DC, and less than 10 minutes from the BWI airport and Amtrak station. The campus includes a center for entrepreneurship, and the [bwtech@UMB](mailto:bwtech@UMB) research and technology park, which has

special programs for startups focused on cybersecurity, clean energy, life sciences and training. We are surrounded by one of the greatest concentrations of commercial, cultural and scientific activity in the nation. Located at the head of the Chesapeake Bay, Baltimore has all the advantages of modern, urban living, including professional sports, major art galleries, theaters and a symphony orchestra. The city's famous Inner Harbor area is an exciting center for entertainment and commerce. The nation's capital, Washington, DC, is a great tourist attraction with its historical monuments and museums. Just ten minutes from downtown Baltimore and 30 from the D.C. Beltway, UMBC offers easy access to the region's resources by car or public transportation.

Electronic submission of application is required at <http://apply.interfolio.com/37306> for the two positions in Data Science/Big Data and all Artificial Intelligence/Knowledge Management applicants should apply at <http://apply.interfolio.com/37179>.

All applications for all three positions must be submitted as PDF files, which include a cover letter, CV, a one-page statement of teaching interests, a one-page statement of research interests and names and contact information of at least three references. For inquiries, please contact Barbara Morris at (410) 455-3795 or [bmorris@umbc.edu](mailto:bmorris@umbc.edu). Review of applications will begin in November 2016 and will continue until the positions are filled, subject to the availability of funds.

UMBC is an Affirmative Action/Equal Opportunity Employer and is committed to increasing the diversity of its faculty. Applicants from traditionally underrepresented groups are especially encouraged to apply.

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## UNIVERSITY OF MARYLAND

### MARYLAND CYBERSECURITY CENTER

#### SENIOR FACULTY SEARCH

The University of Maryland is seeking candidates for a senior faculty position in the Maryland Cybersecurity Center (<http://www.cyber.umd.edu>). Founded in 2010, the Center has vibrant interdisciplinary research and educational components that, while based strongly in computer science and computer engineering, also include psychology, human-computer interaction, criminology and criminal justice, supply chain management, cyber economics, and more.

The Center is currently home to more than 25 faculty members from several academic departments across campus, including five hired in the Department of Computer Science and the Department of Electrical and Computer Engineering during the past three years. The University of Maryland is also home to ACES, the nation's first undergraduate honors program dedicated to cybersecurity.

Candidates for the senior position are expected to be prominent researchers in the field of cybersecurity, defined broadly, with a strong publication and funding record. The new hire will have a joint appointment in the Department of Computer Science and the Department of Electrical and Computer Engineering, as well as in the University of Maryland Institute for Advanced Computer Studies. The opening is for an appointment at the level of (tenured) Full Professor or (tenured) Associate Professor, depending on the level of experience. The appointment can be effective as early as July 1, 2017.

The Maryland Cybersecurity Center is committed to increasing the diversity of the campus community. Candidates who have experience working with a diverse range of faculty, staff, and students, and who can contribute to the climate of inclusivity, are encouraged to identify their experiences in these areas

Please apply online at <https://jobs.umd.edu> (position number 121592). Applicants are strongly encouraged to submit their applications by January 31, 2017.

**The University of Maryland is an affirmative action, equal opportunity employer.**  
Applications completed by January 31, 2017 will receive full consideration. The position will remain open until filled.

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## University of Maryland College Park

### Assistant/Associate Professor

The Electrical and Computer Engineering Department at the University of Maryland, College Park invites applications for faculty positions at both the Assistant and Associate Professor levels. Applicants should have a demonstrated record of research and publication in one of the following areas: a) communications: with an emphasis on communication theory, information and coding theory, and communication networking; b) microelectronics: with emphasis on bioelectronics, power electronic devices and circuits, especially in the wide bandgap area, and RF circuits and antennas; and c) computer engineering: with emphasis on cybersecurity, embedded systems, IoT, quantum computing, real-time systems, secure and low power design and implementation of smart devices. Successful applicants will be expected to maintain active research programs and teach undergraduate and graduate courses in Electrical and/or Computer Engineering.

A Ph.D. in Electrical Engineering or a related discipline is required. Candidates should be creative and adaptable and should have a high potential for both teaching and research.

For best consideration, applications should be submitted by January 15, 2017 online by going to <https://ejobs.umd.edu> (position number 122479) and should include a cover letter, curriculum vitae, a list of references, examples of research including three publications, a research statement, and a statement of teaching philosophy.

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.

### UMD's iSchool

#### *Data Infrastructure and Analytics Technologies - Assistant Professor Search 2016-2017*

UMD's iSchool seeks candidates for an Assistant Professor (tenure track) position focused on Data Infrastructure and Analytics Technologies. This includes expertise such as database and data storage technologies, data intensive high performance computing, natural language based- approaches to information processing, and machine learning and data analytics.

iSchool faculty work in a wide variety of domains and problem areas – so we are interested in faculty colleagues who are open to creative exploration of new areas. With this in mind, having interests in areas such as cybersecurity, learning sciences, data analytics, and decision support are desirable, but not essential.

**Qualifications:** Ph.D. or equivalent in a related area at time of appointment; demonstrated research excellence; a research agenda with the potential to attract external support; interest in developing effective and innovative teaching.

**Preferences:** The ideal candidate will:

- Conduct cutting edge, high impact research that shapes the information field;
- Craft exceptional educational experiences for students;

- Aspire to leadership roles in relevant professional service; and
- Thrive in a diverse, interdisciplinary environment.

**Best Consideration Date** - November 25, 2016

**Please apply via this** [link](#)

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 Massachusetts

### Assistant/Associate Professor-Mobile Health

The College of Information and Computer Sciences (CICS) together with the Institute for Applied Life Sciences (IALS) at the University of Massachusetts Amherst (UMass) invite applications for multiple tenure-track faculty positions at the Assistant or Associate Professor level in the area of ubiquitous computing, wireless networking, mobile and sensor computing, embedded systems, human-computer interaction, and physical computing with emphasis on technologies with applications to health and wellbeing.

**STARTING DATE: September 1, 2017**

Applicants must have a Ph.D. in Computer Science, Electrical Engineering or a

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related area and should show evidence of exceptional research promise. The successful candidate is expected to collaborate with the Institute of Applied Life Sciences (IALS), and develop novel, practical solutions for pervasive health monitoring. Candidates with an interest in working with industry or technology transfer aspects of their work are encouraged to apply.

The candidate is expected to teach both undergraduate and graduate courses, supervise graduate students and postdoctoral fellows, contribute significantly to the advancement of basic science and engineering, as evidenced by scholarly publications, develop a nationally recognized program of sponsored research, and have an understanding of diversity issues and their educational importance. The new hire is also expected to collaborate with IALS faculty to enable new mobile health sensing technologies, interact with industry, and provide training for the next generation of computer scientists in healthcare. IALS and the UMass Amherst campus are committed to the development of translational and basic research programs while fostering interactions with industry. The new hire will also be able to take full advantage of the new IALS investments in enhanced campus infrastructure and core facilities (see <http://www.umass.edu/ials/core-facilities> for more details).

UMass Computer Science is highly supportive of junior faculty, providing both formal and informal mentoring. Many of our faculty are involved in interdisciplinary research, and work closely with other departments including electrical and industrial engineering, statistics/mathematics, biology, physics, behavioral sciences, economics, political science, linguistics, and nursing, as well as new "green" initiatives. Amherst, a historic New England town, is the center of a vibrant and culturally rich area that includes five

colleges. For more information, visit <https://cics.umass.edu>.

The University of Massachusetts Amherst (<http://www.umass.edu>), the flagship campus of the University of Massachusetts system, is a nationally ranked public research university and home to over 22,000 undergraduate and 6,000 graduate students. The 1,430 acre campus is located in the scenic Pioneer Valley of western Massachusetts, 90 miles from Boston and 175 miles from New York City. UMass Amherst, along with Amherst, Hampshire, Mount Holyoke and Smith Colleges, is a member of the Five College Consortium and the Academic Career network. The region boasts a rural setting with easy access to Boston, Hartford, and New York City.

Review of applications will begin December 1, 2016 and may continue until a suitable candidate pool has been identified. Applicants should submit a cover letter, a curriculum vitae, research statement, statement of teaching interests, and the names and contact information for three references, using the submission link specific to the position.

These materials should be submitted to: <http://umass.interviewexchange.com/candapply.jsp?JOBID=77471>

For questions about the position, email [facrec@cs.umass.edu](mailto:facrec@cs.umass.edu)

The university is committed to active recruitment of a diverse faculty and student body. The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members. Because broad diversity is essential to an inclusive climate and critical to the University's goals of achieving excellence in all areas, we will holistically assess the many qualifications of each applicant and favorably consider an

individual's record working with students and colleagues with broadly diverse perspectives, experiences, and backgrounds in educational, research or other work activities. We will also favorably consider experience overcoming or helping others overcome barriers to an academic degree and career.

## UMASS Amherst

*Director of Strategic Programs-Center for Data Science*

The College of Information and Computer Sciences at UMass Amherst is looking for a Director of Strategic Programs for the Center for Data Science.

For a complete position announcement including minimum qualifications and application instructions, please see <http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=76780>.

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

## University of Massachusetts Amherst

*Lecturer Positions*

The College of Information and Computer Sciences at the University of Massachusetts Amherst invites applications for nine-month, non-tenure-track faculty positions at the rank of Lecturer beginning in the 2017-2018 academic year.

One general full-time Lecturer position is available to teach a variety of courses for majors and non-majors. One part-time position is also available to teach junior year writing. Primary responsibilities for the full-time position include teaching up to six courses per year (or equivalent based on other duties

# Professional Opportunities

and activities) at both the undergraduate and MS level, curriculum development, and undergraduate advising, as well as additional administrative and scholarly duties as determined by the Chair of the Faculty. Primary responsibilities for the part-time position include teaching two sections per semester of junior year writing, a graduation requirement for all majors. The appointment period for both positions is 9 months per year, and opportunities for teaching additional summer courses may be available for additional compensation. Although not tenure track, it is expected that the person holding each position will remain with the college long term and each initial appointment will be for at least one year. These positions do not have research-related duties.

The College of Information and Computer Sciences is a stimulating, diverse environment conducive to professional growth in both teaching and research. Lecturers are an essential part of our faculty and participate in faculty meetings and many college decisions. Amherst, a historic New England town, is the center of a vibrant and culturally rich area that includes five colleges. For more information about the college, visit <https://cics.umass.edu>.

Applicants for the FT lecturer position must hold the equivalent of a Master's degree in Computer Science, Computer Engineering or a closely related field, with a Ph.D. strongly preferred. FT applicants must also have a strong interest in, or a proven record of excellence in teaching undergraduate computer science courses, especially undergraduate courses in software engineering and systems.

Applicants for the PT lecturer position must hold the equivalent of a Master's degree in a relevant field, with a Ph.D. strongly preferred. It is preferred that PT lecturer candidates have experience teaching writing to computer science students.

Interested candidates should apply online at

## Full-time Lecturer

<http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=76585>

## Part-time Lecturer

<http://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=76591>

Please submit a cover letter, curriculum vitae, description of teaching experience, and the names and contact information for three references. Review of applications will begin on November 15, 2016 and may continue until a suitable candidate pool has been identified.

The university is committed to active recruitment of a diverse faculty and student body. The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer of women, minorities, protected veterans, and individuals with disabilities and encourages applications from these and other protected group members. Because broad diversity is essential to an inclusive climate and critical to the University's goals of achieving excellence in all areas, we will holistically assess the many qualifications of each applicant and favorably consider an individual's record working with students and colleagues with broadly diverse perspectives, experiences, and backgrounds in educational, research or other work activities. We will also favorably consider experience overcoming or helping others overcome barriers to an academic degree and career.

## University of Massachusetts Amherst

*Associate Director of Strategic Communications - Center for Data Science*

The College of Information and Computer Sciences is looking for an Associate Director of Strategic Communications for the Center for Data Science.

For a complete position announcement including minimum qualifications and application instructions, please see <https://umass.interviewexchange.com/jobofferdetails.jsp?JOBID=79341>

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

## University of Massachusetts Boston

*Assistant/Associate Professor*

The Computer Science Department at the University of Massachusetts Boston invites applications for one full-time position in Programming Languages/Compilers at the rank of Assistant/Associate Professor, to begin September 1, 2017. Current faculty interests include bioinformatics, computer and human vision, data mining, databases, graphics, high performance computing, networks, security, software engineering, and theoretical computer science. We will consider strong candidates in any area of programming languages, but especially seek candidates working in programming language implementation, with an emphasis on parallel computation.

A PhD in computer science or a related area is required. A successful candidate at the Assistant Professor level is expected to establish a highly-recognized, externally-funded independent research program at UMass Boston. Candidates at the Associate Professor level should have a well-established research program with a significant funding record. We offer a competitive salary and start-up package.

A complete application consists of a cover letter, curriculum vitae, statements about research and teaching, and the names and email addresses of three references.

# Professional Opportunities

Please submit your application at: <http://umb.interviewexchange.com/candapply.jsp?JOBID=79085>

For more information, visit us at <http://www.cs.umb.edu>

UMass Boston is an Affirmative Action, Equal Opportunity Title IX employer

## University of Massachusetts Lowell

*Professor Tenure-Track Faculty Positions in Computer Science*

The University of Massachusetts Lowell Department of Computer Science invites applications for two tenure-track faculty positions at the assistant professor rank, to start in September 2017. We are looking to hire outstanding candidates in all areas of computer science, preferring candidates who can strengthen and grow our existing programs.

Please visit <https://jobs.uml.edu/applicants/Central?quickFind=55220> for more information and to apply.

## UMass Lowell

*Tenure Track Assistant Professor - Computer Science (2 Positions)*

UMass Lowell Department of Computer Science invites applications for two tenure-track faculty positions at the assistant professor rank, to start September 2017.

We are looking for candidates in cyber security and data science areas. The Department has an excellent track record of research accomplishment and external funding, with current strong and growing areas including cyber security, data science, robotics, and web programming.

Computer Science faculty have received \$8M in the last two years in external research funding from the NSF, DARPA, DOD, DOE-EM, DHE, NIH, and corporations. The Department

has 5 NSF CAREER Award recipients. To learn more, visit [www.cs.uml.edu](http://www.cs.uml.edu).

### Qualifications:

- PhD from a US university, or 1 year as a postdoc researcher at a US university/research lab
- Ability to teach undergrad and graduate courses, including department core and specialty areas based on the candidate's expertise
- Ability to develop research program and contribute to collaborative research of existing departmental groups

Review of applications will begin 12/20/16, and continue until positions are filled.

Applications received by 1/20/17, will get full consideration.

To apply: [jobs.uml.edu/applicants/Central?quickFind=55220](https://jobs.uml.edu/applicants/Central?quickFind=55220)

The University of Massachusetts Lowell is an Equal Opportunity/Affirmative Action, Title IX employer.

and teaching. Salary is highly competitive

and dependent upon qualifications. The Department of Computer Science ([www.cs.memphis.edu](http://www.cs.memphis.edu)) offers B.S., M.S., and Ph.D. programs as well as graduate certificates in Data Science and Information Assurance, and an M.S. program in Bioinformatics (through the College of Arts and Sciences).

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 (CFIA)". In addition, CS faculty work closely with multidisciplinary centers at the university such as the "Institute for Intelligent Systems (IIS)".

For full consideration, application materials should be uploaded by December 1, 2016. Screening of applications will begin December 1, and may continue until the position is filled.

To apply, please visit <https://workforum.memphis.edu/>. Include a cover letter, curriculum vitae, statement of teaching philosophy, research statement, and a list of three references. Direct all inquiries to Kendra Tillis ([ktillis@memphis.edu](mailto:ktillis@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 Memphis

*Instructor*

Applications are invited for an instructor position in the Department of Computer Science at the University of Memphis beginning Fall 2017, pending availability of funds. An M.S. or PhD degree in computer

# Professional Opportunities

science or a related field and University level teaching experience is required. The instructor will teach undergraduate/graduate courses, participate in curriculum development and improvement, and advise students. Screening will begin on March 1, 2017 and may continue until the position is filled, subject to budgetary approvals.

The Department of Computer Science ([www.memphis.edu/cs/](http://www.memphis.edu/cs/)) offers B.S., M.S., and PhD programs, as well as two graduate certificates, one in Cyber Security and Information Assurance and the other in Data Science. The Department has been ranked 55th in the nation among CS departments with federally funded research. Full information about the Department can be found at <http://www.memphis.edu/cs/>.

Submit applications at <https://workforum.memphis.edu>. Include a cover letter, vitae, a statement of teaching philosophy and a list of references. Direct inquiries to Kendra Tillis ([ktillis@memphis.edu](mailto:ktillis@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 Minnesota Duluth

### Tenure-track Assistant or Associate Professor

The Department of Computer Science at the University of Minnesota Duluth solicits applications for a tenure-track position at the rank of Assistant or Associate Professor. Applicants must have a Ph.D. in computer science, software engineering or a related discipline from a regionally accredited university by July 1, 2017. We are seeking to enrich the diversity of the University and our Department. All areas of computer science will be considered for this position, but preference may be given to those with expertise in software engineering, software

security, developing secure software, systems software or closely related areas. Demonstrated commitment to both teaching and research are required. In addition, good written communication skills, good interpersonal skills, and evidence of potential to develop a successful independent research program in a computer science discipline are required. Evidence of teaching experience (such as having performed as a teaching assistant), including interest and/or experience teaching software engineering represent preferred qualities. Publications, such as peer reviewed journals, conference proceedings, trade magazines, white papers, or technical reports; good oral communication skills; good interpersonal skills and evidence of the ability to work effectively with diverse groups are all preferred qualities.

The successful candidate is expected to teach and strongly contribute to the software engineering curriculum in the department's undergraduate program while also contributing to courses for the graduate program. Job responsibilities include developing an independent research program in computer science that involves mentoring undergraduate and graduate students, publishing articles in peer-reviewed journals and conference proceedings, engaging in departmental activities, pursuing external funding, advising undergraduate and graduate students from diverse groups, and participating in departmental and college outreach. Responsibilities also include fulfilling typical department, college, university and professional service obligations. This position has an official start date of August 21, 2017.

The Department of Computer Science is part of the Swenson College of Science and Engineering and offers Bachelor of Science and Bachelor of Arts degrees in Computer Science and a Master of Science in Computer Science. The undergraduate degree program in Computer Science is accredited by the Computing Accreditation Commission of

ABET. The department currently has 11 faculty members, 1 instructor, 22 full-time graduate students and over 300 undergraduates. The University of Minnesota Duluth is a medium-sized comprehensive university of approximately 11,500 students located in Duluth, Minnesota. Duluth is a vibrant location that sits along the shore of Lake Superior. In 2014, Duluth was named Outdoor magazine's Best Outdoors Town, celebrating its access to the outdoors and to Lake Superior. Duluth is home to hundreds of miles of biking, hiking, and skiing trails, including the Lake Superior Hiking Trail, which runs through Duluth. Duluth is a great place to live and mixes its small-town feel with its dynamic urban economy and cultural offerings.

Applications must be submitted online. To apply for this position, go to <http://www1.umn.edu/ohr/employment/> and search for job opening 313857.

Complete applications must include:

1. Letter of Application
2. Current Curriculum Vitae
3. Contact information for three professional References (Attachment Type: Reference Attachments)

4. Statement of Teaching Philosophy and Statement of Research Goals (submitted as one document, Attachment Type: Teaching/Research Philosophy)

5. Statement on Diversity (Attachment Type: Statement on Diversity)

6. Unofficial Transcripts of highest degree (Attachment Type: Transcripts)

Important instructions for submitting application.

First submit the application with cover letter and CV/resume. Then return to the "My Activities" page to attach the additional documents.

Completed online applications will be considered beginning January 9, 2017.

# Professional Opportunities

This position will remain open until filled. Candidates should also arrange to have three letters of recommendation (hard copy although email followed by hard copy is acceptable) forwarded directly to Mrs. Lori Lucia  
 Department of Computer Science  
 University of Minnesota Duluth  
 1114 Kirby Drive, 320 Heller Hall  
 Duluth, MN 55812  
 (email: [l Lucia@d.umn.edu](mailto:l Lucia@d.umn.edu))

The University of Minnesota strongly encourages applications from women and minority candidates.

## University of Minnesota-Twin Cities

### Tenure-Track Faculty Positions

The Department of Computer Science and Engineering at the University of Minnesota-Twin Cities is hiring to fill one or more tenure-track positions at the assistant professor level, although higher levels of appointment may be considered when commensurate with experience. Candidates with expertise in any area of computer science and engineering will be considered, and those with research interests in social computing, human-computer interaction, and security are particularly encouraged to apply.

The Department of Computer Science and Engineering is fully committed to a culturally and academically diverse faculty; we welcome applications from individuals who will further expand that diversity. Candidates should have a Ph.D. in Computer Science or a closely related discipline at the time of appointment. Submit materials as described at <https://www.cs.umn.edu/resources/employment/faculty/>.

Consideration of complete applications will begin December 1, 2016, and continue until all positions are filled. The University of Minnesota is an equal opportunity employer and educator.

## The University of Nebraska-Lincoln

### Tenure-track Assistant Professor Position

This is a multidisciplinary search in the field of data analytics and modeling with applications to National Security and is open to promising candidates regardless of discipline. Areas of interest include, but are not limited to, data mining, pattern recognition, machine learning, algorithms, text analysis, social media intelligence, and social network analysis, all with an emphasis on Big Data.

Applicants should have exceptional potential or a demonstrated record for outstanding research and effective teaching at undergraduate through graduate levels, including advising of Masters and PhD students. Candidates must hold US citizenship and a PhD in a field at the nexus of data analytics and national security such as computer science, mathematics, political science, or sociology. Applicants should have deep research interests in national security, have excellent communication skills, and desire to work in a collaborative cross-disciplinary environment. Candidates with demonstrated cross-disciplinary research experience and/or existing connections with the national security enterprise are particularly encouraged. The tenure home of the successful candidate will be in the discipline of expertise.

UNL is Nebraska's land-grant research university, is a member of the Big Ten Academic Alliance, and ranks among Doctoral Universities with the Highest Research Activity [CarnegieCIHE]. UNL is expanding its national security research and instruction via its extensive collaborations with the nearby US Strategic Command (USSTRATCOM) and Nebraska University's National Strategic Research Institute, one of DoD's University Affiliated Research Centers (UARC). Lincoln is consistently ranked among the Nation's top cities for livability and quality of life.

To apply, complete the Faculty/Administration application (Req.#F\_160212) at <http://employment.unl.edu> and attach 1) a single-page cover letter explaining your interest in the position, 2) a curriculum vitae, 3) teaching and research statements, 4) 1-2 papers that best represent research and scholarship, and 5) a list of at least three references.

Review of applications will begin on Nov 15th, 2016 and will continue until the position has been filled.

More information can also be viewed at: <http://cse.unl.edu/facultysearch>.

The University of Nebraska-Lincoln is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers. See <http://www.unl.edu/equity/notice-nondiscrimination>.

## University of Nebraska - Lincoln

### Assistant Professor

The Department of Computer Science and Engineering at the University of Nebraska - Lincoln invites applications for a tenure-track faculty position at the rank of Assistant Professor to begin in August 2017.

We are seeking faculty members who can establish a strong scholarly research and teaching program in the area of software engineering. While all areas of software engineering are of interest, applicants whose research connects human centered computing, usability or human computer interaction with software engineering or programming languages are particularly welcome.

Applicants should have a demonstrated potential for outstanding research and a promise of effective teaching at the undergraduate through graduate levels including the advising of M.S. and Ph.D.

# Professional Opportunities

students. Candidates will hold a Ph.D. in Computer Science, Computer Engineering, or a closely related discipline. Applicants should have excellent communication skills and a strong desire to work in a diverse and collaborative environment.

To apply go to <http://employment.unl.edu> and complete the Faculty/Administration application for requisition F\_160194 and attach 1) a single-page cover letter explaining your interest in the University of Nebraska - Lincoln, 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.

Review of applications will begin on November 15, 2016, and will continue until the positions have been filled. The positions are contingent on the availability of funds.

More information can also be viewed at: <http://cse.unl.edu/facultysearch>. The University of Nebraska- Lincoln is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers. See <http://www.unl.edu/equity/notice-nondiscrimination>.

## The University of Nebraska-Lincoln

### Tenure-track Assistant Professor Position

This is a multidisciplinary search in the field of data analytics and modeling with applications to National Security and is open to promising candidates regardless of discipline. Areas of interest include, but are not limited to, data mining, pattern recognition, machine learning, algorithms, text analysis, social media intelligence, and social network analysis, all with an emphasis on Big Data.

Applicants should have exceptional potential or a demonstrated record for outstanding research and effective teaching

at undergraduate through graduate levels, including advising of Masters and PhD students. Candidates must hold US citizenship and a PhD in a field at the nexus of data analytics and national security such as computer science, mathematics, political science, or sociology. Applicants should have deep research interests in national security, have excellent communication skills, and desire to work in a collaborative cross-disciplinary environment. Candidates with demonstrated cross-disciplinary research experience and/or existing connections with the national security enterprise are particularly encouraged. The tenure home of the successful candidate will be in the discipline of expertise.

UNL is Nebraska's land-grant research university, is a member of the Big Ten Academic Alliance, and ranks among Doctoral Universities with the Highest Research Activity [Carnegie CIHE]. UNL is expanding its national security research and instruction via its extensive collaborations with the nearby US Strategic Command (USSTRATCOM) and Nebraska University's National Strategic Research Institute, one of DoD's University Affiliated Research Centers (UARC). Lincoln is consistently ranked among the Nation's top cities for livability and quality of life.

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community through affirmative action, equal opportunity, work-life balance, and dual careers. See <http://www.unl.edu/equity/notice-nondiscrimination>.

## University of New Mexico

### Department of Computer Science Post-Doctoral Fellow

The University of New Mexico Department of Computer Science invites applications for a full-time Post-Doctoral Fellow to work on transparency to system activities for detecting APT malware by tracking information flow in real-time. Candidates must have completed a doctorate in CS or a related area.

For complete job description and to apply visit <https://unmjobs.unm.edu>. Reference posting #: 0836604. Best consideration November 17, 2016.

UNM is an EEO/AA Employer.

## University of North Carolina at Chapel Hill

### Lecturer

The Computer Science Department of the University of North Carolina at Chapel Hill invites applications for the position of lecturer to begin on or after July 1, 2017. The position is for an initial term of four years, and is periodically renewable upon review. We seek applications from individuals with exceptional promise for, or a proven record of, teaching introductory programming in a diverse undergraduate university environment.

Experience teaching large classes, and using instructional technology for the same is desired.

For more information, and to apply, please visit <http://www.cs.unc.edu/recruiting>.

# Professional Opportunities

## UNC-Chapel Hill

### Professor of the Practice

The Computer Science Department of the University of North Carolina at Chapel Hill invites applications for the position of Professor of the Practice to begin on or after July 1, 2017. The position is for an initial term of four years, and is periodically renewable upon review. We seek applications from individuals with exceptional promise for, or a proven record of, teaching mobile applications development in a diverse undergraduate university environment. Experience developing applications for mobile platforms is desired, as is teaching at the university level and making appropriate use of instructional technology.

For more information, and to apply, please visit <http://www.cs.unc.edu/recruiting>.

## University of North Florida

### Assistant Professor

Two tenure-earning positions (position numbers 315540 and 315560) at the Assistant Professor level in the School of Computing at the University of North Florida are available beginning August 2017. The successful candidate **must** have an earned Ph.D. degree (or will earn a Ph.D. degree by August 2017) in the field of Computing from an accredited institution. The successful candidate **must** demonstrate the potential for excellence in teaching and in research, demonstrated through top-level publications. The Computing programs in the School of Computing (information systems, information science, computer science, and information technology) are ABET accredited.

Applicants must complete an online application at [www.unfjobs.org](http://www.unfjobs.org) to include: a letter of interest, a curriculum vitae, a list of three references with contact information, unofficial transcripts, a teaching statement, and a statement of vision for research. A pre-employment background check is

performed on candidates selected for employment. Please direct your questions to the search committee chair Dr. Ken Martin at (904) 620-2985 or by e-mail at [kmartin@unf.edu](mailto:kmartin@unf.edu). Review of applications will begin on 11-8-2016 and continue until the position is filled.

## University of Oregon

### Department Of Computer and Information Science Faculty Position

The Department of Computer and Information Science (CIS) seeks applications

for two tenure track faculty positions at the rank of Assistant Professor, beginning September 2017. The University of Oregon is an AAU research university located in Eugene, two hours south of Portland, and within one hour's drive of both the Pacific Ocean and the snow-capped Cascade Mountains.

The open faculty positions are targeted towards the following three research areas: 1) high performance computing, 2) networking and **distributed** systems and 3) data sciences. We are particularly interested in applicants whose research



## Assistant/Associate Professor

The University of North Texas (UNT), a Tier 1 Research Institution (Carnegie Classification as a Doctoral University: Highest Research Activity), invites applications for the following faculty positions in the Department of Computer Science and Engineering (CSE).

### Tenured or Tenure Track Positions:

**Position 1:** Assistant or Associate Professor in **Computer Security**, including cryptography, cloud and network security, mobile security, intrusion detection, secure hardware and software systems, and vulnerability and threat analysis. This position is affiliated with the Center for Information and Computer Security (CICS).

**Position 2:** Assistant or Associate Professor in **Computational Life Science**, including computational epidemiology, computational health science, smart and connected health, geo-informatics, bioinformatics, health-informatics, and computational environmental science, with focus on developing computational methods, models, or simulations. This position is affiliated with the Center for Computational Epidemiology and Response Analysis (CeCERA).

**Position 3:** Assistant or Associate Professor in **Computer Engineering**, including real-time systems, embedded systems, cyber physical systems, memory and storage systems, computer architecture, VLSI, reconfigurable systems, resilient systems, low-power computing, runtime systems, distributed systems, and performance measurement and tuning. This position may be affiliated with the NSF Industry/University Cooperative Research Center for Net-centric and Cloud Software and Systems (NCSS).

The candidates are expected to teach CSE undergraduate and graduate courses, develop a strong research program funded by external sources, support and mentor graduate students, and provide service to the University and the profession. Minimum qualifications include an earned doctorate in computer science, computer engineering or a closely related field. For the Assistant Professor position, a strong publication record and the potential to succeed in securing research funding and mentoring graduate students are required. For the Associate Professor position, a sustained record of providing mentoring to junior faculty, advising graduate students, providing service to the University and profession, and securing external funding for research activities are also required. Post-doctoral research experience or industrial research experience is preferred. Offers of employment for these positions will be made dependent upon available funding.

*The Computer Science and Engineering department is home to 14 Professors, 9 Associate Professors, 4 Assistant Professors, 6 Lecturers, almost 100 Ph.D. students, over 200 master students, and almost 1100 bachelor students. We offer a Ph.D. degree in Computer Science and Engineering, M. S. degrees in Computer Science and Computer Engineering, ABET-accredited B. S. degrees in Computer Science and Computer Engineering, and an ABET-accredited B. A. degree in Information Technology. Additional information about the department is available at the website: [computerscience.engineering.unt.edu](http://computerscience.engineering.unt.edu).*

### Application Procedure:

All applicants must apply online to: <https://facultyjobs.unt.edu>. Submit nominations and questions regarding the tenure track position in computer security (system identification number 6001336) to Dr. Ram Dantu ([Ram.Dantu@unt.edu](mailto:Ram.Dantu@unt.edu)), the tenure track position in computational life science (system identification number 6001335) to Dr. Armin Mikler ([mikler@unt.edu](mailto:mikler@unt.edu)), and the tenure track position in computer engineering (system identification number 6001342) to Dr. Song Fu ([Song.Fu@unt.edu](mailto:Song.Fu@unt.edu)).

### Application Deadline:

The committee will begin its review of applications on November 1, 2016 and continue to accept and review applications until the positions are filled.

### The University:

As the nation's 24th largest public university and the largest, most comprehensive in the Dallas-Fort Worth area, UNT is dedicated to providing an excellent educational experience to its 38,000 students while powering the North Texas region, state and nation through innovative education and research. UNT is strategically located in Denton, Texas, a vibrant city with a lively arts and music culture.

The University of North Texas is an AA/ADA/EOE committed to diversity in its educational programs.

# Professional Opportunities

addresses security and privacy issues in these sub-disciplines; additionally, we are interested in applicants whose research complements existing strengths in the department, so as to support interdisciplinary research efforts. Applicants must have a Ph.D. in computer science or closely related field, a demonstrated record of excellence in research, and a strong commitment to teaching. A successful candidate will be expected to conduct a vigorous research program and to teach at both the undergraduate and graduate levels.

We offer a stimulating, friendly environment for collaborative research both within the department, which expects to grow substantially in the next few years, and with other departments on campus. The department hosts two research centers, the

**Center for Cyber Security and Privacy** and the **NeuroInformatics Center**.

Successful candidates will have access to a new high-performance computing facility that opens in October 2016. The CIS Department is part of the College of Arts and Sciences and is housed within the Lorry Lokey Science Complex. The department offers B.S., M.S. and Ph.D. degrees. More information about the department, its programs and faculty can be found at <http://www.cs.uoregon.edu>.

Applications will be accepted electronically through the department's web site.

Application information can be found at <http://www.cs.uoregon.edu/Employment/>.

Applications received by December 15, 2016 will receive full consideration. Review of applications will continue until the positions are filled. Please address any questions to [faculty.search@cs.uoregon.edu](mailto:faculty.search@cs.uoregon.edu).

The University of Oregon is an equal opportunity/affirmative action institution committed to cultural diversity and is compliant with the Americans with Disabilities Act. We are committed to creating a more inclusive and diverse

institution and seek candidates with demonstrated potential to contribute positively to its diverse community.

## University of Rochester

### *All-Level Tenure-Track Faculty Position in Interdisciplinary Research in Data Science*

The University of Rochester has made data science a centerpiece of its 5-year strategic plan, committing new faculty lines, a new building, and the establishment of the Goergen Institute for Data Science. We are seeking applicants for a tenure track position in interdisciplinary research in data science.

The interdisciplinary search focuses on candidates who will engage in collaborative research that connects advances in computational models and methods with the humanities, sciences, or medicine. Successful candidates will receive a primary appointment in a department within S Arts, Sciences and Engineering.

Focus areas for this year's interdisciplinary search are:

- **Computational Linguistics:** Research in the theory or applications of natural language processing, with a particular interest in applications to linguistics, the social sciences, or the humanities.
- **Neurally-inspired Computing:** Research in artificial neural networks, including the fundamental theory of deep learning, practical applications to tasks such as perception, or as a tool for modeling and understanding biological neural networks.
- **Computer Vision and Image Analysis:** Research in the theory and applications of computational methods of image or video understanding, with a particular interest in applications to biomedicine or the humanities.

Apply online at: <https://www.rochester.edu/faculty-recruiting>

You may apply to this interdisciplinary search in addition to applying to individual departmental searches. Direct questions to [diane.evans@rochester.edu](mailto:diane.evans@rochester.edu). For more information about the Institute, visit <http://www.rochester.edu/data-science>.

Applicants should hold a PhD and will be required to supply a CV, cover letter, set of refereed scholarly publications, names of references, and research and teaching statements. The application will ask applicants to select a set of disciplines most relevant to their research area.

Review of applications at any rank will begin immediately and continue until the position is filled. For full consideration, applications should be completed by January 15, 2017.

The University of Rochester is a private, Tier I research institution located in western New York State. It consistently ranks among the top 30 institutions, both public and private, in federal funding for research and development. The university has made substantial investments in computing infrastructure through the Center for Integrated Research Computing (CIRC) and the Health Sciences Center for Computational Innovation (HSCI). The university includes the Eastman School of Music and the University of Rochester Medical Center, a major medical school, research center, and hospital system. The greater Rochester area is home to over a million people, including 80,000 students who attend the 8 colleges and universities in the region.

The University of Rochester has a strong commitment to diversity and actively encourages applications from candidates from groups underrepresented in higher education. The University is an Equal Opportunity Employer.

EOE / Minorities / Females / Protected Veterans / Disabled

# Professional Opportunities

## University of Saskatchewan

### Assistant Professor Big Data / Data Science

The Department of Computer Science and the Department of Mathematics and Statistics at the University of Saskatchewan invites applications for a tenure-track Assistant Professor position in Big Data/Data Science.

Applicants for this joint tenure track-position should have a PhD. Candidates will have demonstrated excellence or show promise of excellence in teaching and graduate supervision, and will be expected to develop a vigorous, externally-funded research program that complements the research programs of the two departments, and to teach in both units.

For more details about the position, prospective candidates are encouraged to read the full job description at [http://jobs.usask.ca/job\\_postings/jobs/usfa\\_computersciencemathstats\\_asst-prof\\_bigdatadata-science.php](http://jobs.usask.ca/job_postings/jobs/usfa_computersciencemathstats_asst-prof_bigdatadata-science.php) and visit the departmental websites at <http://www.cs.usask.ca/> and <http://artsandscience.usask.ca/math/>.

## University of South Carolina

### Faculty Position in Cybersecurity

The University of South Carolina invites applications for a tenure-track faculty position at open rank in the Department of Computer Science and Engineering, starting Fall 2017. The department will consider exceptional candidates in any cybersecurity areas, but is particularly interested in candidates whose primary research expertise is in design and development of secure software architecture, development of secure and reliable applications, software vulnerability testing, or reverse engineering.

Eligible candidates should possess a Ph.D. degree in computer science, software engineering, or a closely related

field and a demonstrated record of research accomplishments in the area of cybersecurity. Prior teaching experience is preferable but not required.

Successful candidates will be expected to develop internationally recognized, externally funded research programs that complement existing strengths in the department. Applicants will also be encouraged to participate in interdisciplinary projects. To serve the diverse student population of the university, all faculty members are expected to engage and mentor students from underrepresented groups.

Application review begins December 1st, 2016 and remains open until the position is filled. Interested applicants should send one complete PDF file that includes a cover letter, curriculum vitae, a concise description of research and teaching plans, and names and contact information of three references to [search@cse.sc.edu](mailto:search@cse.sc.edu).

Founded in 1801 and one of the three public universities in South Carolina, the University of South Carolina (USC) is located in Columbia, the capital and technology center of South Carolina. USC is the flagship university of the state with a diverse student population of 33,772 students. USC is one of only 32 public universities to earn the Carnegie Foundation's top-tier designations in research activity and community engagement.

USC is designated by the National Security Agency and the Department of Homeland Security as a National Center of Academic Excellence in Information Assurance and Cyber Defense Education and Research. Cybersecurity education and research activities are centered in the Department of Computer Science and Engineering in the College of Engineering and Computing. The Department offers B.S. degrees in Computer Science, Computer Information Systems, and Computer Engineering, M.S. and Ph.D.

degrees in Computer Science and Computer Engineering, and a Graduate Certificate in Cyber Security Studies. The Department has 21 full-time faculty members (10 of whom are NSF CAREER award recipients), an undergraduate enrollment of 872 students, a graduate enrollment of 175 students, and over \$1.5 million in annual research expenditures.

The University of South Carolina is an Affirmative Action/Equal Opportunity Employer. Minorities and women are especially encouraged to apply. The University of South Carolina does not discriminate in educational or employment opportunities or decisions for qualified persons on the basis of race, color, religion, sex, national origin, age, disability, sexual orientation or veteran status.

## University of South Carolina Beaufort

### Assistant Professor, Computational Science, Tenure Track Faculty

The Department of Mathematics and Computational Science at the University of South Carolina Beaufort ([www.uscb.edu/cs](http://www.uscb.edu/cs)) invites applications for a tenure-track faculty at the rank of Assistant Professor to begin fall 2017. Candidates are expected to have an earned doctorate in Computer/Computational Science, Computational Engineering, or Material or Mechanical Engineering with significant training in Computer Science at the time of employment.

Application procedures: Applicants must complete the Academic Personal Information form on-line at <https://uscjobs.sc.edu>. Application deadline is Feb 15, 2017.

The University of South Carolina Beaufort is an affirmative action/equal opportunity institution. Women and minorities are encouraged to apply.

# Professional Opportunities

## USC Viterbi School of Engineering

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

The Computer Science Department of the USC Viterbi School of Engineering 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 Viterbi School of Engineering at USC is committed to increasing the diversity of its faculty and welcomes applications from women, underrepresented groups, veterans,

and individuals with disabilities. While we primarily seek assistant professor applicants, 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, please follow the URL below: <http://goo.gl/T4NBKu>

Applications must include a cover letter indicating the applicant's area of specialization, detailed curriculum vitae, a statement on current and future research directions, a teaching statement, and names of at least three professional references. Applications should be submitted by December 2, 2016. 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 185 full-time, tenure-track faculty members, and it is home to the



The University of South Florida invites applications for faculty positions in  
**Computer Science and Engineering**

Applications are invited for multiple tenure-track positions at all ranks in the Department of Computer Science and Engineering starting Fall 2017. Preference will be given to candidates in strategic research areas that have high funding potential from federal funding agencies including NSF, NIH, DARPA, etc. Candidates should have an established record of outstanding-quality research publications and with potential for excellence in teaching. Candidates for senior ranks must have demonstrated exceptional capabilities in externally funded research, instruction, and mentoring of students. Candidates must have completed, or be near completion of, a Ph.D. in computer science, computer engineering, or a related discipline.

The Department of Computer Science and Engineering (<http://www.usf.edu/engineering/cse/>) has 30 faculty members including Instructors and offers B.S., M.S., and Ph.D. degrees. Department faculty members have research funding from NSF, NIH, DARPA, Google, and other sources.

The University of South Florida System is a high-impact, global research system dedicated to student success. The USF System includes three institutions: USF; USF St. Petersburg; and USF Sarasota-Manatee. The institutions are separately accredited by the Commission on Colleges of the Southern Association of Colleges and Schools. All institutions have distinct missions and their own detailed strategic plans. Serving over 48,000 students, the USF System has an annual budget of \$1.6 billion and an annual economic impact of \$4.4 billion. USF is a member of the American Athletic Conference.

With more than 16,000 employees in the USF System, the University of South Florida is one of the largest employers in the Tampa Bay region. At USF you will find opportunities to excel in a rich academic environment that fosters the development and advancement of our employees. We believe in creating a talented, engaged and driven workforce through on-going development and career opportunities. We also offer a first class benefit package that includes medical, dental and life insurance plans, retirement plan options, tuition program and generous leave programs and more.

An application package should include a cover letter, curriculum vitae, statements describing research and teaching experience and goals, and the names and contact information of at least three references. Application materials are to be submitted online: <http://www.usf.edu/administrative-services/human-resources/careers/>. (Applicants search Job Opening ID 11495) See <http://www.usf.edu/engineering/cse/graduate/faculty-search.aspx> for instructions. For questions, please send email to [faculty-search@cse.usf.edu](mailto:faculty-search@cse.usf.edu). Applications will be considered starting immediately until the positions are filled.

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the Department chair. To request disability accommodations in the application and interview process, please notify Brett Annette, EOL Coordinator at (813) 974-7736. USF is an equal opportunity/equal access/affirmative action institution.

# Professional Opportunities

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 \$185 million annually. With 37 tenure-track, 34 research, and 14 teaching faculty, the USC Department of Computer Science is one of the nation's leading centers of research and education in the field.

USC is an equal-opportunity educator and employer, proudly pluralistic and firmly committed to providing equal opportunity for outstanding persons of every race, gender, creed and background. The University particularly encourages women, members of underrepresented groups, veterans and individuals with disabilities to apply.

## University of Tennessee at Martin

### *Assistant Professor of Computer Science*

College of Engineering and Natural Sciences, Department of Computer Science is seeking applications for a tenure-track appointment in Computer Science.

To apply: Applications may be made at [http://www.utm.edu/departments/personnel/fac\\_emp.php](http://www.utm.edu/departments/personnel/fac_emp.php). A letter of application with a statement of teaching and research goals, a detailed resume, and at least three letters of recommendation with contact information must be attached. Review of applications will begin in Spring 2016 and will continue until the position is filled.

The University of Tennessee is an EEO/AAP Title IX/Section 504/ADA/ADEA institution in the provision of its education and

employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color, national origin, sex, pregnancy, marital status, sexual orientation, gender, identity, age, physical or mental disability, or covered veteran status.

## University of Texas at Austin

### *Assistant/Associate/Full Professor Faculty Positions*

The Department of Computer Science of the University of Texas at Austin invites applications for tenured and tenure-track positions at all levels. Outstanding candidates in all areas of Computer Science will be considered, particularly in: computer vision, machine learning, cybersecurity and formal methods.

All tenure-track and tenured 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. It has 44 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), and those in Computational and Applied Mathematics, Computational Biology, and Neuroscience.

Austin, the capital of Texas, is a center for high-technology industry, including

companies such as Dell, IBM, Advanced Micro Devices, 3M Corporation, National Instruments, Apple Computer, Inc., AT&T and Samsung. For more information please see the department web page <http://www.cs.utexas.edu>.

All faculty positions require a cover letter, current curriculum vita, research statement and teaching philosophy. For tenure-track faculty positions, three (3) reference letters are required. Tenured Associate and Full Professor applications require six (6) reference letters.

To apply for a tenure-track position on-line at <http://apply.interfolio.com/36936>.

To apply for a tenured Associate and Full Professor position online at <http://apply.interfolio.com/38778>.

A review of complete applications (including all reference letters) will begin on December 15, 2016. For full consideration of your application, please apply by January 31, 2017. Please direct inquiries about your application to [faculty-search@cs.utexas.edu](mailto:faculty-search@cs.utexas.edu). The University of Texas is an Equal Opportunity Employer.

## University of Texas at Austin/ McCombs School of Business

### *RADM Tenure-Track Faculty*

The **McCombs School of Business** at the **University of Texas at Austin** invites applications for a tenure track faculty position in the Department of Information, Risk, and Operations Management starting in Fall 2017. We seek candidates with a rigorous research program that focuses on the development or the innovative use of **optimization methodologies that are driven by data** and motivated by challenges in business. A candidate's research may draw from one of a variety of research disciplines, including operations research, operations management, computer science, machine learning,

# Professional Opportunities

econometrics, statistics or other related fields. We seek candidates with a strong commitment to high quality research and teaching, and who can contribute to our program in Business Analytics. Applicants should have a Ph.D. or expect to complete their degree before Fall 2017. We will also consider candidates with strong records in teaching and in research who would qualify for a more senior level appointment.

The McCombs School, with its top-ranked faculty and educational programs, offers a stimulating and collegial environment for research and teaching. The *Information, Risk, and Operations Management* (IROM) Department offers courses and concentrations in the undergraduate, MBA, and PhD programs. The School's Supply Chain Management Center of Excellence, Center for Research in Electronic Commerce, The Kay Bailey Hutchison Center for Energy, Law and Business, Healthcare initiative and other research centers and initiatives provide opportunities for IROM faculty to collaborate with colleagues in other disciplines and to interact with industry.

As an Equal Opportunity Employer with a commitment to diversity, we want our applicant pool to be as diverse as possible. We welcome applicants from underrepresented groups as well as applicants who have demonstrated, and will continue to demonstrate, a commitment to diversity in the academic environment.

Interested applicants should upload a curriculum vita, copies of up to three research papers, and a statement of research objectives and accomplishments to <https://apply.interfolio.com/38195>. Applicants with teaching experience should also upload teaching evaluations. All applicants are required to use the Interfolio Recommendation Letter request system to request at least **three** confidential letters of recommendation.

## Equal Employment Opportunity Statement

*The University of Texas at Austin, as an equal opportunity/affirmative action employer, complies with all applicable federal and state laws regarding nondiscrimination and affirmative action. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, national origin, age, marital status, sex, sexual orientation, gender identity, gender expression, disability, religion, or veteran status in employment, educational programs and activities, and admissions.*

## University of Texas at San Antonio

### *Faculty Cluster Hire in Cybersecurity*

The University of Texas at San Antonio (UTSA) has embarked on a focused cluster hiring plan under the Gold Star Initiative, to recruit top-tier researchers over a four year period. The plan will focus on strategic areas of research excellence, to include cybersecurity, cloud computing and data analytics. UTSA is currently looking for candidates to fill six faculty positions to foster collaborative research, education and outreach and to create interdisciplinary areas of knowledge that will advance the field of cybersecurity.

UTSA is a recognized leader in the field of infrastructure assurance and security by the National Security Agency and the Department of Homeland Security and is a designated Center of Academic Excellence in Information Assurance Education (CAE). In spring 2014, UTSA was ranked #1 nationally for Cyber Security Programs according to a national survey of certified information technology security professionals conducted for Hewlett-Packard. UTSA is home to the Institute for Cyber Security (ICS), which conducts basic and applied cybersecurity research in partnership with

academia, government and industry. The Center for Infrastructure Assurance and Security (CIAS), also located at UTSA, has developed the world's foremost center for multidisciplinary education and development of operational capabilities in the areas of infrastructure assurance and security. In complement to the ICS and CIAS, the Center for Education and Research in Information and Infrastructure Security (CERI2S) conducts high impact research, as well as educates the cybersecurity workforce within the San Antonio area and beyond. In partnership with Rackspace, UTSA houses the largest open cloud infrastructure in academia. The Open Cloud Institute is an initiative to develop degree programs in cloud computing and foster collaboration with industry, positioning UTSA and San Antonio as world leaders in open cloud technology.

### **Required Qualifications and Responsibilities:**

The successful applicant will have a Doctoral degree (Ph.D.) and publications commensurate with appointment levels in the department of interest. Successful candidates will be expected to develop and maintain externally funded research programs, engage in both undergraduate and graduate education, and contribute their leadership and innovative thinking towards global prominence in cybersecurity. Teaching opportunities will vary by department and teaching qualifications will be a consideration for fit within their respective department

### **Application Process:**

Applicants must submit their full application package via the respective link to each position. For more information about this cluster and to access the position links, please visit <http://resea.rch.utsa.edu/research-news/cyber/>. or general questions or additional information on the Gold Star Initiative, please contact: Bernard Arulanandam, Interim Vice President for

# Professional Opportunities

Research at [Bernard.arulanandam@utsa.edu](mailto:Bernard.arulanandam@utsa.edu) or 210-458-8176.

## Enterprise Security

### Tenure-track Assistant Professor in the Department of Communication.

This position is targeted towards faculty with expertise and interest in the areas of situational awareness and decision-making, cyber data analysis, attack and response, human-machine interactions, organizational communication, information networks, and cybersecurity training.

## Cyber Analytics

### Tenure-track Assistant, Tenured/tenure-track Associate Professor in the Department of Information Systems and

**Cyber Security.** This position is targeted towards faculty with expertise and interest in conducting transformative research and developing tangible “big data” solutions to cyber analytics challenges with interests in the following domains: embedded system security, cloud security, enterprise security, situational awareness and decision making; and/or digital forensics.

## Cyber Decision Support

### Tenure-track Assistant, Tenured/tenure-track Associate Professor in the Department of Information Systems and

**Cyber Security.** This position is targeted towards faculty with expertise and interest in conducting transformative research that enables organizations to make cyber related decisions quickly, effectively, and accurately. We are particularly interested in the following areas: cyber resiliency; enterprise security, situational awareness and decision making; and/or risk assessment and management.

## Cloud Computing Security

### Tenure-track Assistant Professor in the Department of Electrical and

**Computer Engineering.** This position is targeted towards faculty with expertise and interest in security and privacy issues in

cloud computing. Specific topics of interest include secure and privacy-aware data analytics in cloud, data analytics techniques to enhance cloud security, secure software defined networking and network function virtualization, cloud monitoring, dependability issues (availability, assurance and recover) in cloud, secure multi-tenancy, hardware architectures to improve cloud security, etc.

## Embedded Systems Security

### Tenure-track Assistant Professor in the Department of Electrical and Computer

**Engineering.** This position is targeted towards faculty with expertise and interest in embedded systems security. Areas of particular interest are: security of embedded systems with applications to cyber physical systems such as the Internet of Things, energy, transportation, building design, automation, healthcare and manufacturing.

## Privacy and Data Protection

### Tenure-track Assistant Professor in the Department of Computer Sciences.

This position is targeted towards faculty with expertise and interest in privacy protection and security. Applicants with expertise in software engineering, programming languages and compilers, or big data analytics are particularly encouraged to apply.

As an Equal Employment Opportunity and Affirmative Action employer, it is the policy of The University of Texas at San Antonio to promote and ensure equal employment opportunity for all individuals without regard to race, color, religion, sex, national origin, age, sexual orientation, gender identity, disability, or veteran status. The University is committed to the Affirmative Action Program in compliance with all government requirements to ensure nondiscrimination. The UTSA campus is accessible to persons with disabilities.

## University of Texas at San Antonio

### Tenure-Track Assistant Professor of Computer Science

The Department of Computer Science at The University of Texas at San Antonio (UTSA) invites applications for a tenure-**track assistant professor position**, starting Fall 2017. This position is targeted towards faculty with expertise and interest in privacy protection and security. Applicants with expertise in software engineering, programming languages and compilers, or big data analytics are particularly encouraged to apply. This position is part of UTSA's focused cluster hiring plan under the [Gold Star Initiative](#) to recruit top-tier researchers over a four-year period.

See <http://www.cs.utsa.edu/fsearch> for information on the Department and application instructions. Screening of applications will begin immediately. The search will continue until the positions are filled or the search is closed. The University of Texas at San Antonio is an Affirmative Action/Equal Opportunity Employer.

### 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

## University of Toronto Mississauga

### Assistant Professor, Robotics, Computer Science

The Department of Mathematical and Computational Sciences at the University of Toronto Mississauga (UTM) invites applications for up to two tenure-stream positions at the rank of Assistant Professor in the area of Robotics, to begin on July 1, 2017.

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The University of Toronto is an international leader in computer science research and education. UTM is part of the tri-campus University of Toronto system, and the successful candidate(s) will hold their appointment at the Department of Mathematical and Computational Sciences at UTM and will also be a member of the tri-campus Graduate Department of Computer Science. UTM is embarking on an ambitious expansion to its computer science program over the next several years and in the near term is focused on building a research cluster in the area of robotics. The successful candidate(s) will form the nucleus of this robotics cluster, and we anticipate additional hires in the area in the next few years. The candidate(s) will be expected to pursue innovative research at the highest international level; to establish a strong, externally funded independent research program; to have a strong commitment to undergraduate and graduate teaching; and to contribute to the enrichment of both undergraduate and graduate programs in the department and in particular to establish a research presence in robotics with graduate students at the UTM campus. The position(s) come with substantial startup funding for the cluster, including a significant new laboratory space allocation, resulting in a unique opportunity for driven individuals with the leadership skills to build a substantial new research enterprise in a thriving metropolitan area.

We are interested in candidates in all areas of computer science that touch upon robotics in the broadest possible sense. We are especially interested in exceptional candidates who transcend traditional computing research topics and complement our existing strengths.

Candidates must have a Ph.D. in computer science or robotics or a related field by the date of appointment or shortly thereafter.

Excellence of excellence in research and teaching is required. Excellence in research will be evidenced primarily by publications in top ranked field relevant journals, awards and accolades, presentations at significant conferences, and strong reference letters by referees of top international stature. Teaching excellence will be demonstrated by awards and accolades, teaching accomplishments, as well as strong endorsements from referees.

Salaries will be commensurate with qualifications and experience, and is competitive with our North American peers.

Applicants should apply online through AcademicJobsOnline, <https://academicjobsonline.org/ajo/jobs/8574>, and include a curriculum vitae, a list of publications, and research and teaching statements. Applicants should also arrange to have at least three letters of reference (on letterhead and signed) uploaded through AcademicJobsOnline directly by the writers.

Review of applications will begin after January 2, 2017 but the position will remain open until filled.

For more information about the Department of Mathematical and Computational Sciences at the University of Toronto Mississauga see our website at <https://www.utm.utoronto.ca/math-cs-stats/>. Information about the tricampus Graduate Department of Computer Science can be found at [www.cs.toronto.edu](http://www.cs.toronto.edu). For additional enquiries, please contact us at [recruit@cs.toronto.edu](mailto:recruit@cs.toronto.edu).

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

## University of Toronto Mississauga

*Associate Professor, Robotics, Computer Science*

The Department of Mathematical and Computational Sciences at the University of Toronto Mississauga (UTM) invites applications for a tenure-stream position at the rank of Associate Professor in the area of Robotics, to begin on July 1, 2017.

The University of Toronto is an international leader in computer science research and education. UTM is part of the tri-campus University of Toronto system, and the successful candidate will hold their appointment at the Department of Mathematical and Computational Sciences at UTM and will also be a member of the tri-campus Graduate Department of Computer Science. UTM is embarking on an ambitious expansion to its computer science program over the next several years and in the near term is focused on building a research cluster in the area of robotics. The successful candidate will be expected to play a leadership role in building the cluster, and we anticipate additional hires in the area in the next few years. The candidate is expected to have an established innovative research record at the highest international level which they will build upon in this new position; to have demonstrated the ability to establish a strong, externally funded independent research program; to have a strong commitment to undergraduate and graduate teaching; and to contribute to the enrichment of both undergraduate and graduate programs in the department and in particular to lead the establishment of a research presence in robotics with graduate students at the UTM campus. The position comes with substantial startup funding for the cluster.

# Professional Opportunities

including a significant new laboratory space allocation, resulting in a unique opportunity for driven individuals with the leadership skills to build a substantial new research enterprise in a thriving metropolitan area.

We are interested in candidates in all areas of computer science that touch upon robotics in the broadest possible sense. We are especially interested in exceptional candidates who transcend traditional computing research topics and complement our existing strengths.

Candidates must have a Ph.D. in computer science or robotics or a related field, and have at least six years of academic or industry research experience post PhD. Evidence of excellence in research and teaching at the highest international level is required, as well as an excellent reputation and an established record of innovative research in the field. Excellence in research will be evidenced primarily by publications in top ranked field relevant journals, awards and accolades, presentations at significant conferences, and strong reference letters by referees of top international stature. Teaching excellence will be demonstrated by awards and accolades, teaching accomplishments, as well as strong endorsements from referees.

Salaries will be commensurate with qualifications and experience, and is competitive with our North American peers.

Applicants should apply online through AcademicJobsOnline, <https://academicjobsonline.org/ajo/jobs/8590>, and include a curriculum vitae, a list of publications, and research and teaching statements. Applicants should also arrange to have at least three letters of reference (on letterhead and signed) uploaded through AcademicJobsOnline directly by the writers.

Review of applications will begin after January 2, 2017 but the position will remain open until filled.

For more information about the Department of Mathematical and Computational Sciences at the University of Toronto Mississauga see our website at <https://www.utm.utoronto.ca/math-cs-stats/>.

Information about the tricampus Graduate Department of Computer Science can be found at [www.cs.toronto.edu](http://www.cs.toronto.edu). For additional enquiries, please contact us at [recruit@cs.toronto.edu](mailto:recruit@cs.toronto.edu).

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

## University of Utah

*Assistant Professor*

*Three Faculty Positions in Electrical and Computer Engineering*

(a) Two positions in trustworthy computing in hardware, embedded systems, reconfigurable computing, and internet of things (<http://usu.hiretouch.com/job-details?jobID=1835>)

(b) One position in control systems, robotics, unmanned or autonomous vehicles (air, land, sea), and distributed systems (<http://usu.hiretouch.com/job-details?jobID=1840>)

USU is sensitive to the needs of dual-career applicants and is dedicated to recruiting stellar candidates from a diverse pool including women, minorities, veterans and persons with disabilities.

## University of Utah

*Track Data Visualization Scientist*

The University of Utah seeks to fill a tenure-track, Assistant Professor position in data visualization. The position is a joint effort between the Scientific Computing and Imaging Institute and the Natural History Museum of Utah, with either the Department of Geography or the School of Computing serving as the tenure home.

Details on responsibilities, qualifications, and application instructions are at <https://utah.peopleadmin.com/postings/56569>. Review of applications will begin December 1, 2015, and continue until the position is filled.

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 reasonable notice. For additional information about the University's commitment to equal opportunity and access see: <http://www.utah.edu/nondiscrimination/>.

## University of Utah

*School of Computing - Tenure-Track Data Science Position*

The School of Computing at the University of Utah is seeking tenure-track faculty at all levels with strengths in the computational and statistical aspects of data science. Ideal candidates might have backgrounds in computer science, machine learning, statistics, or mathematics, with applications to problems of data analysis.

The School of Computing offers computer science degrees, as well as a strong graduate program in data science and data management, which has specialized tracks for MS and PhD, as well as a broader graduate data certificate program.

# Professional Opportunities

Candidates with interests and skills in leadership are encouraged, in order to complement anticipated opportunities for hiring and growth at the University of Utah in statistical and data sciences.

The University of Utah is a Carnegie Research I Institution, and the School of Computing is an exciting, growing school with a 50-year history of excellence in computer science education, innovation, and research. The University of Utah is located in Salt Lake City, the hub of a large metropolitan area with excellent cultural and recreational opportunities. Additional information about the school and our current faculty can be found at <http://www.cs.utah.edu>. Candidates may apply through the following URL: <http://utah.peopleadmin.com/postings/58633>

Review of applications will begin after November 30 and will continue until the positions are filled.

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 reasonable notice. For additional information about the University's commitment to equal opportunity and access see: <http://www.utah.edu/nondiscrimination/>.

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students.

## University of Vermont

*Lecturer in Computer Science*

University of Vermont College of Engineering and Mathematical Sciences Lecturer

**Position** We invite applications for a full-time lecturer in Computer Science, for a Fall 2017 start date. Qualifications include an MS or PhD in computer science or related field.

More information at <https://www.uvmjobs.com/postings/22286>.

UVM is an EO/EAA employer and conducts background checks on all final candidates.

- RF and mixed-signal circuits
- Robotics, drones, and autonomous and connected vehicles
- Machine learning and signal processing as applied to cyber-physical systems
- Communications and networking to support the internet of things
- Cyber-Physical Systems with humans in the loop; human-automation interaction

Candidates must have a PhD in science or engineering by the time of appointment.

Candidates must have a record of excellence in research, as appropriate for the candidate's rank, and a commitment to teaching excellence. Appointment with tenure requires documented excellence in research and teaching, and an emerging national reputation. Preference will be given to candidates that are collaborative in nature and would complement or expand the school's current strengths in CPS.

To apply, candidates must submit a Candidate Profile through [Jobs@UVA](mailto:Jobs@UVA); search posting number 0619648. Applicants should submit a cover letter, CV, teaching statement, research statement, and names and contact information for at least three references. Questions about this position can be directed to Search Committee Chair Jon Goodall at [goodall@virginia.edu](mailto:goodall@virginia.edu).

Review of applications will begin on November 1, 2016 and will continue until the positions are filled.

The University of Virginia is an equal opportunity and affirmative action employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

## University of Virginia

*HPC Engineers*

The University of Virginia has recently embarked upon an ambitious effort to improve its research computing infrastructure. The initiatives over the past several years include deployment of a large-

# Professional Opportunities

scale high-performance computing cluster and a secure virtual-environment data analytics platform; provision of centralized multi-tiered storage solutions; and a recent upgrade of the campus network backbone.

This much-enhanced cyberinfrastructure has set the stage for unprecedented growth in research activity. In order to capitalize on this momentum and to accelerate future scientific breakthroughs using our state-of-the-art computing environment, the University is assembling a world-class team of highly skilled individuals in advanced research computing fields.

Individuals with technical competency in HPC and scientific computing, and those who enjoy the challenges involving complex data and computing problems are strongly encouraged to apply for one or more of the three positions being offered in Information Technology Services (ITS) at the University of Virginia.

## **Senior Research Computing System Engineer**

<https://executivesearch.virginia.edu/search/seniorresearchcomputingsystemengineer>

## **Research Computing System Engineer**

<https://executivesearch.virginia.edu/search/researchcomputingsystemengineer>

## **Research Computing DevOps Engineer**

<https://executivesearch.virginia.edu/search/researchcomputingdevopsengineer>

## **University of Virginia**

### *Open Rank Teaching Faculty - Lecturer, Assistant, Associate, or Professor*

The Department of Computer Science in the School of Engineering and Applied Science at the University of Virginia seeks applications for non-tenure-track teaching positions to begin in August 2017. Candidates can apply for positions with the rank of Lecturer or for positions with a professorial rank. Rank and compensation are contingent upon qualifications. We

seek applicants who can teach across the curriculum.

To be considered for a position as an Assistant, Associate or full Professor, candidates must have a PhD degree in computer science or a related discipline. The responsibilities for a professorial position include teaching two to three sections per semester of a mix of upper- and lower-division courses, with course assignment based on experience and abilities. Graduate-level teaching is also possible. Faculty in professorial positions will also have service responsibilities and may be required to engage in scholarship activities that enhance their teaching.

To be considered for Lecturer, candidates must have at least a Masters degree in computer science or a related discipline. The responsibilities of a Lecturer include teaching the equivalent of three sections per semester of a mix of upper- and lower-division courses, with course assignment based on experience and abilities. Teaching introductory-level graduate courses is also possible. Lecturers will typically be expected to engage in service, but will not be required to be engaged in scholarship.

The university has policies and procedures outlining how faculty members in these positions are regularly evaluated and the process to receive multi-year contracts. These positions will benefit from an attractive level of job security and opportunities for professional development. Our faculty also benefit from considerable teaching assistant support.

The University of Virginia is annually ranked as one of the premier public institutions in the United States and is located in Charlottesville, a picturesque small but cosmopolitan city perennially ranked as one of the best places to live in the U.S.

To apply, visit <https://jobs.virginia.edu> and search on Posting Number 0620019. Complete a Candidate Profile online, attach

a CV, a cover letter stating your interest in the position and your interests and experience in computing education, a statement of teaching philosophy, and contact information for 3 references.

Review of candidates will begin on January 2, 2017 and will continue until positions are filled.

For additional information about the positions or the application process, please contact Tom Horton via email at [horton@cs.virginia.edu](mailto:horton@cs.virginia.edu) or by phone at 434 982-2217.

The University of Virginia is an affirmative action/equal opportunity employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

## **University of Washington**

### *Assistant Professor(s), Human Centered Design & Engineering*

The Department of Human Centered Design & Engineering (HCDE) at the University of Washington seeks up to two top caliber researchers and teachers to join our growing and dynamic department in 2017. The department is seeking applicants at the Assistant Professor level. Applicants must have an earned doctorate by the date of appointment. We are interested in candidates whose research is outstanding in quality and originality. The specialty of the position is open; related areas include: Human Centered Data Science, Engineering & Computing, Visual Analytics, Collaborative Systems, Learning Technologies, Connected Devices, Tangible & Embodied Interaction, Inclusive Design, Game Design, Research-through-Design, Biologically Inspired Interaction Design, Human-Robot Interaction, Science & Technology Studies, and Technology Innovation. We are also interested in candidates who engage critically with theory and think globally in their research. Our department has a core interest in research-based approaches to design that place people at the center of activity.

# Professional Opportunities

HCDE is an interdisciplinary community that incorporates a range of research traditions. More information about our department can be found at <http://www.hcde.washington.edu/>. We will consider candidates from a range of disciplinary backgrounds who use innovative methodological and theoretical approaches to address current challenges in human-centered design and engineering. We expect our new colleagues to be engaged with emerging research trends in their area(s) of expertise. Successful candidates are expected to develop substantial programs of research including peer-reviewed publications and external funding. Candidates should show evidence of strong promise in teaching as well as scholarship. HCDE offers BS, MS, and PhD degrees and is a founding contributor to three interdisciplinary graduate degrees: the Masters of Human-Computer Interaction+Design (MHCI+D), the Masters in Data Science (MSDS), and the Masters of Science in Technology Innovation (MSTI) as part of the Global Innovation Exchange (GIX). Candidates will teach undergraduate and graduate courses and will supervise doctoral dissertations. The yearly teaching load is three courses (one per quarter) plus supervision of research groups. Teaching opportunities will be based on our current course offerings and the individual's areas of scholarly expertise. Successful candidates will join a vibrant faculty conducting interdisciplinary research in human-computer interaction and the design of sociotechnical systems. Current faculty research includes work in human-computer interaction, data science, health and behavior change, visualization, computer-supported cooperative work, crowdsourcing, computer-mediated communication, research through design, ICT4D, STS, engineering design, scientific collaboration, infrastructure studies, emerging communication technologies, and engineering education. The department is the home of dynamic, collaborative faculty labs.

and faculty members regularly collaborate with colleagues across campus.

The College of Engineering regularly sets visions for strategic research areas; current areas can be found here: <https://www.engr.washington.edu/facresearch/strategicareas>. Faculty members also routinely engage in research projects with affiliates from the region's noted high-tech industry. Seattle is home to many prominent technology companies, along with a robust startup and global health community. The University of Washington is building a culturally diverse faculty and encourages applications from women and minority candidates.

Appointment begins in Autumn 2017. Review of applications will begin January 5, 2017.

**Application Instructions:** To apply, send (1) a letter of application, (2) current c.v., (3) statement of research and teaching goals, (4) up to three representative papers and (5) and at least three letters of recommendation. Materials should be addressed to Dr. Gary Hsieh, Search Committee Chair, at [hcdefac@uw.edu](mailto:hcdefac@uw.edu). Inquiries: Stacia Green: [greens6@uw.edu](mailto:greens6@uw.edu) or Gary Hsieh: [garyhs@uw.edu](mailto:garyhs@uw.edu).

University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, protected veteran or disabled status, or genetic information.

## University of Washington

*Lecturer, Senior Lecturer, Search AA21034*

The University of Washington's Department of Computer Science & Engineering has one or more full-time or part-time positions for Lecturers and Sr. Lecturers. Applicants for lecturer positions must have earned at least a Master's degree or have relevant

teaching experience. Lecturers and Sr. Lecturers will be hired on an annual or multi-annual 9-month appointment. We seek candidates with a strong commitment to teaching and student mentoring; many lecturers engage in outreach and service as well.

Our department 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. Information about the department can be found on the web at <http://www.cs.washington.edu>.

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, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status or genetic information.

Please apply online at <https://norfolk.cs.washington.edu/apply> with a letter of application, a complete curriculum vitae, statement of teaching interests and experience, and the names of four references. Applications received by December 15, 2016 will be given priority consideration. Open positions are contingent on funding.

University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, protected veteran or disabled status, or genetic information.

# Professional Opportunities

## University of Washington

*Assistant or Associate Professor, Research Assistant Professor, Search AA21035*

The University of Washington's Department of Computer Science & Engineering and Department of Electrical Engineering, as part of the joint UW Experimental Computer Engineering Lab (ExCEL), are searching for a joint appointment in both departments (with precise percentages as appropriate for the candidate). The position is at tenure-track Assistant Professor or Associate Professor, or Research Assistant Professor, although individuals at senior ranks with exceptional credentials may be considered. A moderate teaching and service load allows time for quality research and close involvement with students. The CSE and EE departments are co-located on campus, enabling cross department collaborations and initiatives. The Seattle area is particularly attractive given the presence of significant industrial research laboratories, a vibrant technology-driven entrepreneurial community, and spectacular natural beauty. Information about ExCEL can be found at <https://www.excel.washington.edu/>. We welcome applications in all computer engineering areas including but not exclusively: atomic scale devices & nanotechnology, implantable and biologically-interfaced devices, synthetic molecular engineering, VLSI systems and CAD, embedded systems, low power and mobile systems, sensor systems, parallel computing, network systems, and technology for the developing world. We expect candidates to have a strong commitment both to research and teaching. Applicants for both tenure-track and research positions must have earned a PhD by the date of appointment, or foreign equivalent. All University of Washington faculty engage in teaching, research and service. 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. We are building a culturally diverse faculty and encourage applications from women and minority candidates.

Please apply online at <http://www.excel.washington.edu/apply> with a letter of application, a complete curriculum vitae, statement of research and teaching interests, and the names of at least four references. Applications received by December 15, 2016 will be given priority consideration. Open positions are contingent on funding.

University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, protected veteran or disabled status, or genetic information.

## University of Washington

*Assistant Professor, Associate Professor, Research Assistant Professor*

The University of Washington's Department 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 (0116) and Associate (0102) Professor ranks, although individuals at more senior ranks with exceptional credentials may be considered. The positions would be full-time multi-year appointments with 9-month service periods.

Our department 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 real problems in the world, including medicine and global health, education, accessibility, and developing world technology.

We welcome applicants in all research areas in Computer Science and Computer Engineering including core, applied, and inter-disciplinary areas. We may also consider full-time non-tenured research faculty at the Research Assistant Professor (0143) level. These positions have 12 month service periods. Applicants for both tenure-track and research positions must have earned a doctorate, or foreign equivalent, by the date of appointment. All University of Washington faculty engage in teaching, research and service.

We welcome learning how applicants experience or future plans for teaching, research, and service would support our commitment to diversity.

Please apply online at <https://norfolk.cs.washington.edu/apply> with a letter of application, a complete curriculum vitae, statement of research and teaching interests, and the names of four references. Applications received by December 15, 2016 will be given priority consideration. Open positions are contingent on funding.

University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, protected veteran or disabled status, or genetic information.

## University of Waterloo

*Open Rank Faculty Position in Computer Engineering and Software*

The Department of Electrical and Computer Engineering at the University of Waterloo invites applications for a tenure-track position beginning on or around September 1, 2017. The department is inviting candidates in the broad areas of computer engineering, software systems, and

# Professional Opportunities

computer science to apply for the position. It is anticipated that the position will be at the rank of Assistant Professor, but exceptional cases at the Associate or Full Professor rank will be considered.

To ensure full consideration, the application must be received before December 31, 2016. For more information on the opening see: <https://uwaterloo.ca/engineering/faculty-and-staff/faculty-positions#ECE2>

## University of Waterloo

### *Open Rank Position in Computer Systems Software*

The Department of Electrical and Computer Engineering at the University of Waterloo invites applications for a tenure-track position beginning on or around September 1, 2017. The department is particularly interested in candidates with a demonstrated research record in building, evaluating, experimenting with, and scaling of computer systems software, with contributions being publishable in operating systems venues. It is anticipated that the position will be at the rank of Assistant Professor, but exceptional cases at the Associate or Full Professor rank will be considered.

To ensure full consideration, the application must be received before December 31, 2016. For more information on the opening see: <https://uwaterloo.ca/engineering/faculty-and-staff/faculty-positions#ECE1>

## University of Western Ontario

### *Canada Research Chair Tier II in Data-Centric Systems*

The Department of Computer Science, Faculty of Science, Western University is pleased to announce the search for a Tier II Canada Research Chair in Data-Centric Systems. Western Science is making significant investments in 'Big Data' as part of its broader Science of Information

research theme, in line with its strategic priorities at [http://www.uwo.ca/sci/pdf/STRATEGIC%20PRIORITIES\\_FA-web.pdf](http://www.uwo.ca/sci/pdf/STRATEGIC%20PRIORITIES_FA-web.pdf), as well as the broader priorities of Western University (Achieving Excellence on the World Stage: see [http://president.uwo.ca/pdf/strategic-plan/WesternU\\_Full\\_StratPlan\\_2014.pdf](http://president.uwo.ca/pdf/strategic-plan/WesternU_Full_StratPlan_2014.pdf)).

In accordance with the regulations set for Tier 2 Canada Research Chairs ([www.chairs-chaires.gc.ca](http://www.chairs-chaires.gc.ca)), Tier 2 Chairs are intended for exceptional emerging scholars (i.e., candidates must have less than 10 years of experience as an active researcher in their field at the time of nomination). Applicants who are more than 10 years from having earned their highest degree (and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 Chair assessed through the program's Tier 2 justification process, please contact Research Development at Western for more information. Please consult the Canada Research Chair website for full program information, including further details on eligibility criteria: [http://www.chairs-chaires.gc.ca/program-programme/nomination-mise\\_en\\_candidature-eng.aspx#s3](http://www.chairs-chaires.gc.ca/program-programme/nomination-mise_en_candidature-eng.aspx#s3)

The successful candidate will have an established record in database systems research with preference given to applicants whose research focuses on both scalable and distributed database systems. Publications in highly ranked journals and refereed conference proceedings as well as invited presentations at prestigious international conferences are both attributes of our desired candidate. A demonstrated interest in applied interdisciplinary research is highly desirable. Demonstrated success in attracting research funds from a variety of sources and initiation and fostering industry-academic collaborations are also essential. The start date will be July 1, 2018 or as negotiated.

The Department of Computer Science (<http://www.csd.uwo.ca>) currently has substantial and diverse strengths, especially in the area of large-scale analytics. This research field focuses on developing the foundations of methodologies in machine learning, algorithmic and computational mathematics for image processing and genome analysis, human-data interaction, visual analytics and natural language processing. Cross-disciplinary teams are tackling big data challenges in health informatics, life sciences, and other areas. Western Computer Science has recently hired a Canada Research Chair in Statistical Health Sciences and a Western Research Chair in Computational Neuroscience. The Department also has expertise in software and systems, with a second recent Western Research Chair hire in Cyber-Physical systems. This Canada Research Chair position will complement existing software and systems strengths in Computer Science and Electrical and Computer Engineering at Western, and is expected to participate in cross-disciplinary teams. The research will be supported by the high performance computing facilities of SHARCNET and the Southern Ontario Smart Computing Innovation Platform (SOSCIP). The successful candidate must supervise graduate students at the MSc and PhD levels, and is expected to be able to teach courses in databases and data-centric systems at the undergraduate and graduate level in core computing disciplines and interdisciplinary programs. These courses include Western Integrated Science courses at the undergraduate level and graduate courses in our Professional Master's in Data Analytics (with Statistics). Candidates are expected to hold a Ph.D. in Computer Science or related discipline. Candidates will be appointed to a Probationary (tenure-track) appointment at

# Professional Opportunities

the rank of Assistant or Associate Professor or to a Tenured appointment at the rank of Associate Professor. The rank and tenure status will be commensurate with the successful applicant's qualifications and experience.

With a full-time enrolment of about 35,000 students, Western University is a large, research-intensive university with a full range of academic and professional programs. General information about the University can be found at <http://www.uwo.ca/>. The university campus is in London Ontario, a city of 410,000, located midway between Toronto and Detroit. With parks, river valleys, tree-lined streets, and bicycle paths, London is known as the "Forest City". London boasts an international airport, galleries, theatre, music and sporting events (see <http://www.goodmovelondon.com/>).

Candidates should submit a curriculum vitae, a one-page teaching statement and a concise research proposal (5 pages, NSERC Discovery Grant format preferred, if available) and contact details of at least three professional referees who can provide letters of support to:

Dianne McFadzean  
Department of Computer Science,  
Western University,  
London, Ontario N6A 5B7  
[dmcfadze@uwo.ca](mailto:dmcfadze@uwo.ca)

Consideration of applications will begin on March 1st, 2017 and will continue until the position is filled.

Please ensure that the Application for Full-Time Faculty Position Form available at:

<https://www.uwo.ca/facultyrelations/pdf/careers/Faculty/Application-FullTime-Faculty-Position-Form.pdf> is completed and included in your application submission.

Positions are subject to budget approval and a successful Canada Research Chair nomination. Applicants should have

fluent written and oral communication skills in English. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups/visible minorities, Aboriginal persons, persons with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression.

In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents.

Accommodations are available for applicants with disabilities throughout the recruitment process. If you require accommodations for interviews or other meetings, please contact Dianne McFadzean, Department of Computer Science, Western University, London, Ontario N6A 5B7, [dmcfadze@uwo.ca](mailto:dmcfadze@uwo.ca)

## University of Wisconsin-Whitewater

*Tenure-Track Assistant Professor in Computer Science - 12325*

The Department of Computer Science invites applicants for a tenure-track assistant professor beginning 8/21/17. Qualifications required include doctorate or ABD (with expected completion by 8/21/17) in computer science or computer engineering. Expertise in related fields is desirable.

UW-Whitewater Wisconsin-Whitewater is an Equal Opportunity and Affirmative Action Employer.

Interested applicants may view the entire position description and **must** apply at: <https://my.uww.edu/employment/jobs/l2325.html>.

## University of Wyoming

*Two Tenure-Track Assistant Professor Positions in Computer Science*

Main Contact: [search@cs.uwyo.edu](mailto:search@cs.uwyo.edu)

The Computer Science Department at the University of Wyoming seeks applicants for two tenure-track Assistant Professors to start in August 2017. The department is especially seeking candidates with expertise in AI / Machine Learning (especially Deep Learning), Big Data, and/or Cybersecurity. Exceptional candidates in other areas and those seeking more advanced ranks are also encouraged to apply.

See <https://academicjobsonline.org/ajo/jobs/7940> for full details and application instructions. To ensure full consideration applications should be completed by December 4, 2016, though applications will be accepted until the position is filled.

The University of Wyoming is an Equal Employment Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability or protected veteran status or any other characteristic protected by law and University policy. Please see [www.uwyo.edu/diversity/fairness](http://www.uwyo.edu/diversity/fairness). We strongly encourage applications from women and other groups underrepresented in computer science.

The University conducts background investigations for all final candidates being considered for employment. Offers of employment are contingent upon the completion of the background check.

## Vassar College

*Visiting Assistant Professor of Computer Science*

The Department of Computer Science at Vassar College invites applications for multiple one- and two-year positions at

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the rank of Visiting Assistant Professor beginning Fall semester 2017.

Vassar College is an affirmative action and equal opportunity employer with a strong commitment to increasing the diversity of the campus community and the curriculum and promoting an environment of equality, inclusion and respect for difference.

Candidates who can contribute to that goal are encouraged to identify their strengths and experiences in this area. Applicants who have demonstrated commitment to diversity and inclusion are particularly encouraged to apply.

A commitment to excellence in undergraduate teaching and research is expected. The Ph.D. in Computer Science required. Strong candidates in all areas of Computer Science are encouraged to apply. Teaching responsibilities will include introductory, intermediate, and upper level courses. The expected teaching load will be one lab course and one non-lab course per semester.

Candidates are asked to submit a letter of application, C.V., graduate school transcript (unofficial copies accepted for initial application), three letters of recommendation, and a statement of teaching experience and philosophy. To apply, please visit <https://employment.vassar.edu/applicants/Central?quickFind=52169>

Review of applications will begin on February 1st and will continue until all positions are filled. Please direct any questions about the position to Marc Smith, Chair of the Computer Science Department ([mlsmith@vassar.edu](mailto:mlsmith@vassar.edu)).

## Washington State University

### Positions in Data/Health/Medical Analytics

Washington State University (WSU) recently embarked on a strategic reallocation program to address grand challenge

problems, which led to the Community Health Analytics Initiative (CHAI)—an interdisciplinary research-education program supported by WSU's School of Electrical Engineering and Computer Science (EECS), Paul G. Allen School for Global Animal Health (SGAH), and Elson S. Floyd College of Medicine (ESFCOM). CHAI brings together domain-experts—health science researchers who generate or collect data—with computer scientists and statisticians to collaborate in analyzing and understanding the data, formulating hypotheses and optimal clinical studies, visualizing data and model construction, performing optimized computations on data, and in general advancing the state-of-the-art in community health informatics/analytics.

WSU and CHAI invite applications for **four** full-time tenure-track faculty positions as joint appointments in EECS, SGAH, and ESFCOM at the assistant, associate, or full professor levels with research emphasis in data/health/medical analytics, located in WSU's Pullman or Spokane campuses.

Expertise in the following research areas will be given higher priority and consideration: Epidemiology, Scientific Data Visualization, Data Mining, GIS, Modeling & Simulation, Network & Social Media Analytics, Biostatistics, Decision Support Systems, Mining Electronic Health Records, Natural Language Processing, and Applied Machine Learning in Medicine.

Applications should include a cover letter indicating the position sought, and summarizing qualifications. All applications should also include research and teaching statements, curriculum vitae, and contact information for three references. To apply, visit: <https://www.wsujobs.com/postings/28735>. Application review begins January 15, 2017. It is anticipated that successful candidates will begin their appointment on August 16, 2017. For

additional information, please contact Dr. Behrooz Shirazi, [shirazi@wsu.edu](mailto:shirazi@wsu.edu), 509-335-8520.

## Wayne State University

### Research Assistant Professor

The Department of Computer Science at Wayne State University invites applications for a Research Assistant Professor, as part of an NSF-funded computational physics project relevant to experiments at the Relativistic Heavy-Ion Collider and the Large Hadron Collider. The collaboration involves multi-disciplinary teams from Duke, MIT, McGill, Ohio State, Lawrence Livermore National Lab., Texas A&M, UC Berkeley, and Wayne State. A key research component is the seamless integration of diverse simulation codes into a scalable open-source software tool.

The position requires a Ph. D. in computer science, engineering, or physics, with expertise in developing and managing large-scale software projects. HPC experience desirable but not required. The position is renewable annually for up to three years, with a preferred start of January 2017.

Applicants should submit a cover letter, CV, and contact information for three references, online at <http://jobs.wayne.edu> (position number **042076**). Questions should be directed to Loren Schwiebert at [loren@wayne.edu](mailto:loren@wayne.edu).

## Wentworth Institute of Technology

### Professor - Computer Science and Networking

The Department of Computer Science and Networking invites applications for four Assistant Professorships beginning August 31, 2017. Qualifications required of all applicants include a minimum of an M.S. in Computer Science, Networking, or a related

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## Computer Science

### **Call for Applications/Nominations for Department Chair of Computer Science**

Applications/nominations are invited for the position of Chair of the Department of Computer Science in the College of Engineering at Wayne State University beginning in August 2017. The department is seeking applicants with an outstanding track record in scholarship and research funding along with proven leadership skill and administrative abilities. Candidates for this position are expected to have an earned doctorate and experience sufficient to merit appointment with tenure at the rank of Full Professor.

Currently, the department has 20 tenure-track faculty members, with research strengths in artificial intelligence, bioinformatics, cyber-physical and embedded systems, graphics and visualization, software engineering, systems, and wireless networks. The department is highly interdisciplinary with active collaborations with faculty in medicine, engineering, and science. Research productivity has continually increased over the last five years with many faculty winning prestigious awards such as the NSF CAREER Award. The department currently has over 70 Ph.D. students, 80 M.S. students, and 590 undergraduate students. Further information about the department and the college can be found at <http://www.cs.wayne.edu>.

Wayne State University ([wayne.edu](http://wayne.edu)) is a premier, public, urban, Carnegie Classification R1 Doctoral University offering more than 380 academic programs through 13 schools and colleges to more than 27,000 students and generating annual research expenditures of ~\$245M. Located in the heart of Detroit and the center of the U.S. automotive industry (e.g., within ~20 miles from the research centers of Ford and GM), we are a leading force in the revitalization of the City of Detroit. Wayne State University serves as an excellent campus for the pursuit of transformative research, education, and service initiatives in a broad range of disciplines and the CS department is heavily involved with cyber-physical and embedded systems, internet of things, smart and connected health, data sciences, and smart cities. Wayne State University in partnership with the University of Michigan and Michigan State University has a key role in Michigan's University Research Corridor Initiative ([urcmich.org](http://urcmich.org)) and is closely involved with TechTown, the area's business incubator.

Besides enjoying the beautiful fall scenery as well as winter skiing in Michigan and having easy access to the Great Lakes, within a 20-mile radius of Wayne State campus you will find several Metro Detroit suburbs that are consistently ranked in the top 100 in Money Magazine's Best Places to Live.

Applicants should submit a cover letter, research statement, teaching statement, and curriculum vitae with the contact information of four references. Applications should be submitted at <https://jobs.wayne.edu/> for the position with Posting Number 042365. Wayne State University strongly encourages applications from women, people of color, and other underrepresented people, and is an affirmative action/equal opportunity employer. Review of applications will begin February 1, 2017 and continue until the position is filled. Questions/inquiries can be directed to the search committee chair Prof. Guangzhao Mao at [guangzhao.mao@wayne.edu](mailto:guangzhao.mao@wayne.edu).

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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, systems, or computational science, although candidates with any computational background are encouraged to apply.

The Department consists of 14 faculty members and offers programs leading to two B.S. degrees in Computer Science and Computer Networking. The Department also offers a fully online M.S. program in Applied Computer Science. The Department has teaching and research strengths in algorithms, databases, machine learning, networking, operating systems, programming languages and formal methods, 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 many 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 on November 1, 2016 and continue on a rolling basis. Qualified applicants should apply at <https://jobs.wit.edu/postings/2973>.

Wentworth seeks to increase the diverse perspectives of its faculty and encourages applications from members of

underrepresented groups in STEM.

## Wichita State University

### *Multiple Assistant Professor and Engineering Educator Positions*

The Department of Electrical Engineering and Computer Science at Wichita State University invites applications for (a) Assistant Professors: (i) Computer Engineering (ii) Computer Science / Software Engineering (iii) Cybersecurity and (iv) Electronic Devices. Primary responsibilities include establishing a sustainable research program, publishing in peer-reviewed conferences/journals, securing external funding, demonstrating a commitment to undergraduate/graduate education, and supervising students and (b) Engineering Educators: (i) electrical engineering and (ii) computer science. Duties and responsibilities include teaching undergraduate courses, advising undergraduate students, actively participating in professional societies, and service to the department, college and university.

Applications should be submitted online at [www.wichita.edu/wsujobs](http://www.wichita.edu/wsujobs). Candidates should apply by January 9, 2017, for fullest consideration. Additional information about these positions can be found at [www.wichita.edu/eecsjobs](http://www.wichita.edu/eecsjobs).

Offers of employment are contingent upon completion of a satisfactory criminal background check as required by the Board of Regents policy. Wichita State University is an equal opportunity and affirmative action employer.

## Williams College

### *Tenure Track Assistant Professor in Computer Science*

The Department of Computer Science at Williams College invites applications for an opening at the Assistant Professor level

for the fall of 2017. This is a tenure-track position with a three-year initial term. A more senior appointment is possible in exceptional circumstances. This position is open to all areas of computer science. New faculty will join eight current members of the department in supporting a thriving and robust undergraduate computer science major. Candidates should have a commitment to excellence in teaching, an active research program, and should, by September 2017, possess a Ph.D. in computer science or a closely related field. The successful candidate will teach a total of three courses during the academic year, along with associated labs.

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. The Department of Computer Science offers a congenial working environment with small classes, an excellent and diverse student body, and state-of-the-art facilities. Many opportunities exist for collaboration across disciplines, particularly with other faculty in the sciences.

We welcome applications from members of groups traditionally underrepresented in the field, and applicants are encouraged to state in their cover letter how, if hired, they will enhance our current course offerings and educational experiences. 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. Applications should also include a 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. Application materials must be submitted

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electronically via [\[edu\]\(http://www.cs.williams.edu\). Materials may be addressed to:](http://www.cs.williams.</a></p></div><div data-bbox=)

Professor Brent Heeringa, Chair

Department of Computer Science

Williams College

Williamstown, MA 01267

Review of applications will begin on December 1, 2016, and will continue until the position is filled. Please direct all correspondence to [hiring@cs.williams.edu](mailto:hiring@cs.williams.edu).

All offers of employment are contingent upon completion of a background check.

Further information is available at <http://dean-faculty.williams.edu/prospective-faculty/background-check-policy>.