



CRA

Computing Research
Association

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

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CRA-E Selects Graduate Student Fellows

By Shar Steed, CRA Communications Specialist



The CRA Education (CRA-E) Committee has recently selected two Ph.D. students, [Keith Feldman](#) and [Max Grossman](#), to serve as CRA-E Graduate Fellows. The [Graduate Fellows Program](#) was established last year to give graduate students the opportunity to contribute to [CRA-E projects](#), engage in advocacy for mentoring undergraduate students, and promote computer science research and undergraduate education at the national level.



At Rice University, Grossman's research focuses on high performance computing. He works with his adviser Vivek Sarkar in the Habanero Extreme Scale Software Research Group. At the University of Notre Dame, Feldman's research is focused on applying machine learning and data-mining techniques to the field of health care.

Both fellows worked in industry before starting their Ph.D. programs. For Feldman, it was an interest in developing new tools to advance the evolving field of health-care analytics that prompted his return to research. "I wanted to do something different and be a part of an emerging field. Most of the tools we now use in health-care analytics didn't exist 5 years ago, and I want to continue developing new ones. Getting a Ph.D. allows me to do that."

After earning a Master's degree in computer science, Grossman was a full-time software engineer, but felt he couldn't break into the topics he was most interested without a Ph.D. "I went back to get a Ph.D. to have more freedom in the problems I worked on and to eventually move into higher level research positions. Being able to use lessons from industry and academia has better prepared me for my future research goals."

Both fellows have a long history of mentoring undergraduates and advising them on pursuing graduate school and research. At Rice, Grossman mentored a group of 10 undergraduates last summer, and he believes through the CRA-E Graduate Fellows Program, he can help share what he has learned and reach more students. At Notre Dame, Feldman is participating in the

[Ethical Leaders in STEM program](#), where he is completing a practicum that investigates ways to improve mentoring and successful research experiences for undergraduates.

During his time as a CRA-E Fellow, Feldman wants to develop best practices for mentoring undergraduates, with the goal of specifically developing material for graduate students, rather than for professors. "There is not as much information targeting this space. Graduate students have a lot of face-to-face time with undergrad students who are just learning how to do research for the first time. These students often look to graduate students for help."

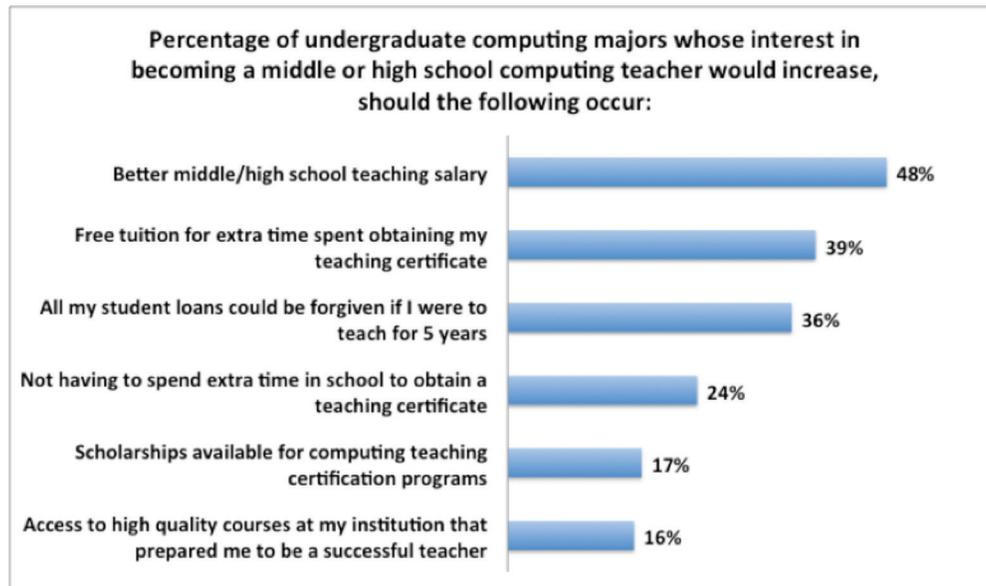
Grossman is interested in working on the new CRA-E program to develop videos that showcase undergraduate research. "I believe undergraduates have the ability to make a significant impact. Students appreciate being recognized, and being highlighted could be a big motivator for them. I want to figure out how to reach as many students as we can."

The fellows are just starting their one-year terms. CRA-E is excited to now have a voice from the graduate student community. The fellows will add new resources and perspectives to the [Conquer](#) site, so check back often and share the link with your students.

CRA would like to thank the evaluation committee for the CRA-E Graduate Fellows Program: Lori Pollock (chair), Nancy Amato, and Enrico Pontelli.

Factors that increase students' interest in becoming a middle or high school computing teacher

By Jane Stout, CERP Director



CERP asked undergraduate computing majors what would increase their interest in becoming a middle or high school computing teacher. As seen in the above graphic, financial incentive in the form of a higher teaching salary, free tuition for teacher training, and forgiven student loans were the top factors increasing students' interest in becoming a middle or high school computing teacher. These findings provide insights into how to generate more computing educators for the K-12 school system, which is becoming increasingly important, given [recent efforts](#) to promote widespread K-12 computing education.

Notes. Data were collected from 2,745 undergraduate students who were majoring in a computing field. Computing majors included computer science, computer information systems/informative, bioinformatics, computing and business, information technology, computer engineering, and other fields with a strong computing component. Students were asked *Which of the following would increase the likelihood that you would prepare to become a middle or high school computing teacher?* and provided with factors displayed in the figure, to be rated using the following scale: (1) No increase, (2) Increase a little, (3) Increase somewhat, (4) Increase quite a bit, (5) Increase very much. Percentages of students who responded with either "increase quite a bit" or "increase very much" are displayed in this visualization.



CERP
Computing Research Association
Evaluation

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

Theoretical Foundations for Social Computing Workshop Report

By Helen Wright, CCC Senior Program Associate

Contributions to this post were made by Jenn Wortman Vaughan, a senior researcher at Microsoft Research and a member of the workshop's organizing committee.

The organizing committee for the Computing Community Consortium (CCC) sponsored Theoretical Foundations for Social Computing Workshop have released their workshop report.

Social computing encompasses the mechanisms through which people interact with computational systems. It has blossomed into a rich research area of its own, with contributions from diverse disciplines including computer science, economics, and other social sciences. Yet a broad mathematical foundation for social computing is yet to be established, with a plethora of under-explored opportunities for mathematical research to impact social computing.

This workshop, held in June 2015, brought together roughly 25 experts in related fields to discuss the promise and challenges of establishing mathematical foundations for social computing.

The report recognizes some of the success stories in which mathematical research has led to innovations in social computing.

► Crowdsourced Democracy

- Mathematical research has led to the design of new systems in which crowds of hundreds, or even millions, of individuals can collaborate to reach consensus on difficult societal issues.

► Automated Market Makers for Prediction Markets

- Algorithmic research has been applied to the design of principled and efficient pricing mechanisms for prediction markets, financial markets specifically designed to elicit and aggregate information from traders.

► Fair Division for the Masses

- Social computing systems can be used to help groups of people make decisions about their day-to-day lives such

as how to fairly divide rent payments among roommates or assign credit in group projects.

The report also proposes an ambitious challenge problem called the Crowdsourcing Compiler, and recognizes several challenges that must be addressed in order for mathematical research to make great contributions to social computing.

► Blending Mathematical and Experimental Research

- Mathematical and experimental research are complementary and both are needed to develop relevant foundations for social computing.

► Learning from the Social Sciences

- In order for mathematical foundations to provide useful practical results, it is necessary to base it on models that better reflect human behavior.

► Generalization

- Models will have the most potential for impact if they incorporate reusable components, allowing results to generalize to many systems.

► Transparency, Interpretability, and Ethical Implications

- As users of social computing systems become increasingly sophisticated and aware of the impact of algorithms on their day-to-day lives, it is important to make social computing algorithms and models transparent, interpretable, and fair.

Please read **the full report** for more information.

CCC Computing Research Symposium Live Stream

On May 9-10, 2016, in Washington, D.C., the CCC will hold a symposium to highlight current and future trends in computing and the potential for computing to address national challenges. Make sure to check out the live-stream at [http://cra.org/ccc/live-stream-symposium/!](http://cra.org/ccc/live-stream-symposium/)

Revisiting the Human-Machine Symbiosis

By William Regli, Defense Advanced Research Projects Agency

"The hope is that, in not too many years, human brains and computing machines will be coupled together very tightly, and that the resulting partnership will think as no human brain has ever thought and process data in a way not approached by the information-handling machines we know today."

J. C. R. Licklider, "Man-Computer Symbiosis," 1960

Fifty-six years ago, J. C. R. Licklider outlined a prescient vision for computing machines coupled with human brains and, together, thinking thoughts previously unattainable by human beings thinking on their own. This vision influenced a generation of scientists and engineers and is largely the basis for our experience of computing today. Yet, I don't feel a partnership with my current machines, and I often find myself bending my brain, and subjugating my will, to adapt to them. Shouldn't it be vice versa? Did I miss the symbiosis?

Certainly our computing machines are considerably more user-friendly than they were in 1960. The fields of ergonomics and classical human factors have made great strides in creating interaction technology that better partners humans and machines. This is manifest in the mainstream computer science field of human-computer interaction (HCI) and, more recently, human-centered computing. We see the results of this progress in devices such as F-35's Gen III Helmet Mounted Display System, Microsoft's Kinect, and the multitude of new input technologies made possible by low-cost sensors and plentiful computing power. But symbiosis means something considerably more significant than just interaction technology.

The potential of the human-machine symbiosis is easily visible in the arts, where computing technologies have enabled the creation of previously unrealizable forms of expression. Computing technology has empowered a new legion of artists working in mediums such as immersive and augmented reality games, animated feature films, and music composition and performance. Where previously one needed a recording studio, one now has GarageBand; where one once needed a darkroom, one now has Photoshop; and where one needed celluloid film, one now has Blender and

RenderMan. In these areas we are beginning to see humans and machines as complete partners in artistic creation. When we harness human beings and our wet matter (after all, the brain is just an alternative computing platform) we not only make impossible problems tractable, but we also create radically different approaches. We conceive of new creations, literally thinking thoughts that were previously unthinkable. Our objective then should be to redouble our work toward systems that augment our human nature and give us the means of seeing and thinking differently.

Amazing Opportunities Abound

The emerging area of human-based computation has begun to reveal some amazing opportunities in this direction. Luis von Ahn has shown how our human predilection for games and puzzles can be harvested to perform amazing feats, such as labeling images on the Internet via the ESP game and "OCR'ing" vast books via CAPTCHAs. In these cases, we are changing the relationship among the user, computation, and the overall task being solved.

In my own experience, as a DARPA performer on a mobile edge-networking program focused on the needs of dismounted soldiers, my team used the operational training doctrine from the Army Field Manual to build a content-centric networking paradigm. We rethought the networking paradigm based around the mission dynamics of the user. Our approach was contrasted with other performers who wished to use machine learning, sentiment analysis, and other data-analytics techniques to "learn" the content types of the user. The learning and big data approach was mathematically elegant and algorithmically sophisticated. But it solved an artificial problem. In contrast, by focusing on the human users and their information needs and mission goals – all of which were explicitly known at the outset – many of the algorithmic difficulties simply vanished, and the result was a radically different type of networking capability for our warfighters.

This is really what is at the heart of the symbiosis: to understand the proper and, ideally, optimal role of the human

at the center of the human-machine system. The problems become those solved by the human and the computer together, rather than just those solved by the computer alone. Perhaps this is what has been missing: We often are asking the machine to solve a problem on its own rather than as part of a human-machine team. For example, to some traditional engineers a computer is merely a better calculator; MATLAB has replaced slide rules, but the human-driven tasks are essentially the same. This is the reality to many outside of computer science, where a database is still only an Excel spreadsheet and a word processor is merely a replacement for a typewriter. To fully realize the information revolution and bring about the economic bounty of “the Second Machine Age” (noted by Erik Brynjolfsson and Andrew McAfee) we need to refocus computer scientists on reformulating the problems of society to be tackled by a human-machine partnership. (I wonder if this is not one of the roots of computer science’s diversity problem: we treat the machines as separate from us, and they separate us from our humanity rather than augmenting it.)

From this perspective, there are at least two implications for computing education. First, with the exception of the fraction of students that take a course on HCI, cognitive psychology, or (perhaps) certain flavors of software engineering, it is quite possible for a computer science undergrad to obtain a bachelor’s degree without ever being exposed to the needs of a human user, let alone a user who’s in a complex or messy science or engineering domain. Use-inspired and user-centered thinking has to become more common in our undergraduate computing curricula, and we should seek out these complex or messy science and engineering problems to tackle with our techniques.

Second, in almost all traditional computer science education, the computing machine is usually viewed as an isolated box. It is the place with the processor, data, and memory; the mathematical pseudo-code for an algorithm; the software and hardware “cyberphysical” system that delivers the bank transactions, flight controls, video game or factory plans, and more. How can we teach students to understand the role of the human at the center of the human-machine system? We want to train students to envision how to fundamentally change the very nature of problems so that they can be tackled by human-machine teams.

I think the implications are similarly radical for computer science research; we spend considerable intellectual effort to advance what we assume is fundamental computer science, yet we might be missing a much bigger opportunity because we are not asking the right question.

Asking the right question was key to the industrial innovations of Henry Ford and his team at the River Rouge automotive plant. Rather than simply scaling up existing labor practices, they systematically rethought the relationship between human and machine labor as being part of a shared system of production. The challenge of our time is to train a new generation of scientists and engineers who can rigorously explore the potential opportunities for shared human-machine labor – not to replace human labor but to augment it in all forms.

In an editorial published in 1949, Albert Einstein ruminated on the implications of science on society, concluding “We shall require a substantially new manner of thinking if mankind is to survive.” To my mind, the human-machine partnership is central to this new type of thinking. Given today’s age of rapid technological and societal change, the only way we’ll think “faster” and different is with our computational partners with whom we are codependent for survival.

About the Author

William Regli is the deputy director of the Defense Sciences Office at DARPA. He started at DARPA in 2014 after 17 years on the faculty of Drexel University. Regli has published more than 250 technical articles, including those in leading venues for research in computer graphics, artificial intelligence, robotics, wireless networking, tissue engineering, and engineering design and manufacturing.

He is a senior member of the Association of Computing Machinery, the Institute of Electrical and Electronics Engineers, and the Association for the Advancement of Artificial Intelligence.

New CRA RSS Subscription Center

CRA has several RSS feeds available, and now you can view them all on a single webpage. Visit <http://cra.org/resources/rss-subscriptions/> to view and subscribe to resources that interest you most. When you subscribe to a resource, you will receive an email when new content is posted. CRA will add more customized email options in the future, so stay tuned.

Currently, we have RSS feed subscriptions available for:

CRA Bulletin

The CRA Bulletin frequently shares news, timely information about CRA initiatives, and items of interest to the general community.

Computing Job Postings

CRA's jobs service is one of the premier places to read and post position openings for computer scientists, computer engineers, and computing researchers. Ads are posted throughout the year and remain online for a minimum of sixty days.

Computing Research Policy Blog

CRA has been involved in shaping public policy of relevance to computing research for more than two decades. More recently

the CRA Government Affairs program has enhanced its efforts to help the members of the computing research community contribute to the public debate knowledgeably and effectively.

Computing Community Consortium Blog

The purpose of this blog is to provide a more immediate, online mechanism for dissemination of visioning concepts and community discussion/debate about them.

Undergraduate Research Opportunities

The Education Committee's undergraduate research position service provides a venue for researchers to post summer research positions for undergraduates and for students to find such positions. Research positions may be at colleges, universities, or industry or government research labs and should provide genuine research opportunities for undergraduates.

CRA-Women Updates

CRA-W updates provides updates on upcoming events, programs, and awards. You may specify which updates you would like to receive.

We would like to
thank the following
organizations for their
generous contributions:

2016 CRA Conference
at SNOWBIRD



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Computing Machinery

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New Coalition to Push for Computer Science in K-12

By Brian Mosley, CRA Policy Analyst

A new coalition, [the Computer Science Education Coalition](#), whose mission is to focus on securing federal funds to provide computer science education to all K-12 students, recently launched. The coalition is, “a non-profit organization that will encourage Congress to invest \$250 million in funding for a crucially needed investment in K-12 computer science education.” At launch, the coalition is composed of 43 members, ranging from industry (Google, Amazon, Microsoft, and IBM, to name a few) to NGOs (CRA, ACM, NCWIT, etc), the membership is a venerable who’s-who of the CS community; check out the coalition’s website for a [full list of members](#).

As stated in the coalition’s [press release](#) announcing the launch, “K-12 education in computer science is essential to keeping the U.S. competitive, economically strong, and secure.”

Taking advantage of President Obama’s [Computer Science for All](#) initiative, the coalition hopes to have an impact on this year’s federal budget and keep the momentum going. As Hadi Partovi, CEO of [Code.org](#), said in the coalition’s press release, “By investing in K-12 computer science, Congress has the opportunity to give every student a chance to participate in the fastest-growing, highest-paid jobs in the U.S., and address the diversity problem within our tech sector.”

As a member of the coalition, CRA is looking forward to working with the other organizations to expand access to CS education and, “[better prepare Americans for life in an IT-integrated world.](#)”

In Memoriam: David S. Johnson



CRA regrets to report that former CRA board member David S. Johnson, 70, passed away on March 8. He was a leader and advocate for algorithms and all of theoretical computer science.

David wrote the NP-completeness column for the *Journal on Algorithms* and later the *ACM Transactions on Algorithms*, as well as "A Catalog of Complexity Classes"

for the 1990 *Handbook of Theoretical Computer Science*. He founded the Symposium on Discrete

Algorithms (SODA), a conference that is now often mentioned with STOC and FOCS as a top theory venue. He also created the DIMACS algorithms challenges, and led SIGACT from 1987-1991, during which time he transformed the organization. David also served as its face for many years thereafter.

David became an ACM Fellow in 1995, and received the first SIGACT Distinguished Service prize in 1997 and the Knuth Prize in 2010. He used his Knuth Prize lecture to push for practical applications for algorithms. Last month, he was elected into the National Academy of Engineering.

Former CRA board member Lance Fortnow recently wrote about David on his blog [Computational Complexity](#):

"I worked with David Johnson closely on various SIGACT activities. David never missed a STOC and we always invited him to the SIGACT Executive Committee dinners, not because he had an official role, but because he was David Johnson. I truly respected and admired David and glad I could call him a friend. We'll miss him deeply. STOC and SODA just won't be the same without him."

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For over 50 years, ACM has helped computing professionals to be their most creative, connect to peers, and see what's next.

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Join ACM today and save 25% at
www.acm.org/KeepInventing/CRA

ACM-W supports, celebrates, and advocates internationally for the full engagement of women in all aspects of the computing field.



Association for
Computing Machinery

women.acm.org



Be Creative. Stay connected. Keep inventing.

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Expanding the Pipeline
Patty Lopez, Intel

Professional Opportunities

The College of New Jersey

Assistant or Associate Professor - Three Positions Available Computer Science

The Department of Computer Science at The College of New Jersey (TCNJ) invites applications for a tenure-track Assistant or Associate Professor faculty position in computer science starting August 2016. Candidates must have a Ph.D. in Computer Science, or a closely related field (ABDs will be considered only if the degree will be completed prior to the start date); demonstrated excellence in teaching; and a strong commitment to the education of, and research with, undergraduates.

The Computer Science program is ABET CAC-accredited, offers state-of-the-art laboratories and equipment, and will move into a new building in Fall 2017. Founded in 1855, TCNJ is a highly selective public institution that has earned national recognition for its commitment to excellence.

For more details and how to apply please check careers.tcnj.edu.

Dartmouth College

Lecturer or Senior Lecturer position

The Department of Computer Science at Dartmouth College invites applications for a Lecturer or Senior Lecturer position. We seek individuals interested in teaching systems-oriented courses including--but not necessarily limited to--Object Oriented Programming, Software Engineering, Smartphone Programming, and Web Programming. Lecturers at Dartmouth are valued members of faculty and are provided with the resources needed to teach at the high standard expected of the faculty. Dartmouth operates on a quarter-system and the teaching load for this position is 4 courses per year.

The position requires a Ph.D. in Computer Science or related discipline (applicants with an MS degree and significant teaching

experience will also be considered). The appointment begins September 1, 2016. This position is a 1 year appointment, with a possibility of extending to 1-2 more years. The level of appointment and compensation will be commensurate with the applicant's qualifications.

Dartmouth's Computer Science department is home to 22 faculty with strong and growing Ph.D., M.S. and undergraduate programs. Dartmouth College is located in Hanover, New Hampshire (on the Vermont border). Dartmouth has a beautiful, historic campus, located in a scenic area on the Connecticut River. Recreational opportunities abound in all four seasons.

Applicants are invited to submit application materials via Interfolio at <http://apply.interfolio.com/34434>. Upload a CV, teaching statement, and request at least three references to upload letters of recommendation. Dartmouth is an equal opportunity/affirmative action employer with a strong commitment to diversity. Application review will begin May 1, 2016, and continue until the position is filled.

Fontbonne University

Tenure Track Faculty for Cyber Security and/or Computer Science

The Department of Mathematics and Computer Science at Fontbonne University offers six BS degrees: Bioinformatics, Cyber Security, Computer Science, Management Information Systems, Applied Mathematics and Mathematics for Secondary Education. In addition, it offers an MS in Computer Science with two tracks: Cyber Security and Data Mining. The newly-hired faculty member will have an opportunity to design and teach courses in cyber security and computer science as well as assist the department in promoting its programs. The successful candidate should be a dedicated teacher who can motivate students to master the skills, concepts and methods of

computer science with a specific interest in cyber security.

Qualified candidates must:

- Hold a Ph.D. in cyber security, computer science, computer engineering, software engineering or a related field. Preference will be given to the candidate with strong cyber security credentials and some experience in cryptography.
- Demonstrate a record of excellence in teaching at the university level.
- Demonstrate a record of research in cyber security and computer science.
- Be willing to assume department and university responsibilities, such as advising students, directing student research projects, supervising internships and participating in university governance.
- Have experience working in a diverse environment and/or with students from diverse backgrounds.
- Demonstrate excellent communication (oral and written), organizational and networking skills.
- Support the University's mission statement

Review of applications will begin immediately continue until the position is filled. Applicants should send a current curriculum vitae, cover letter, statement on teaching and research, Ph. D. transcripts and names of three references via website at www.Fontbonne.edu/employment.

Georgetown University

*Department of Computer Science
Assistant Teaching Professor of
Computer Science*

The Department of Computer Science at Georgetown University invites applications for a one-year, non-tenure line position for an assistant teaching professor. The successful candidate will teach three introductory courses per semester, with

Professional Opportunities

enrollments capped at 45 students. We will give preference to applicants who conduct research in computer-science education or whose research interests align with those of the department. The position is renewable subject to funding. Candidates must possess a PhD in Computer Science or a related field. The 9-month appointment will start on August 1, 2016. Applicants must have completed all requirements for the PhD degree by the time of the appointment.

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.

Instructions for application: As we expect a large number of applications, we ask that you carefully follow the instructions below when submitting your materials. Incomplete or improperly formatted applications may not be considered.

Complete applications will consist of a single PDF file. The file must be named in the format <Name>_<Nonce>.pdf, where <Name> is your full name separated by underscores, and <Nonce> is a random 4-digit number of your choosing. The single PDF file attached will contain in order: a cover letter, a current curriculum vitae, the names and contact information for three references, and a teaching statement. Please do not ask references to send letters at this time; we will request letters as necessary.

After preparing your file, please send it by email to csatp-search@georgetown.edu.

Receipt of applications will be promptly acknowledged; please send a note if you do not receive a reply within three business days. Questions can be sent to the same address.

The review of applications will begin in March and will continue until we fill the position. First round interviews will take place by video conference in April.

Iowa State University

Software Engineering Program with home Department in Computer Science

Lanh and Oanh Nguyen Chair in Software Engineering

Position Description:

The Software Engineering Program at Iowa State University, jointly administered by the Departments of Computer Science (ComS) and Electrical and Computer Engineering (ECpE), is seeking applications for the Lanh and Oanh Nguyen Chair in Software Engineering. This will be a joint ComS and ECpE appointment at the Associate or Full Professor level depending on qualifications, with tenure home in ComS.

Responsibilities for this position include teaching courses at both the undergraduate and graduate levels, supervising graduate and undergraduate students, sustaining an exceptional publication record and externally funded research program, and participating in technical committees and outreach activities.

Successful candidates will have an outstanding record of publications and funded research that complements current activities in the Software Engineering Program through both internal and external interdisciplinary collaborations, as well as excellent communication and research leadership.

Application Instructions:

For more information on this position or to apply, follow this link: <http://www.iastatejobs.com/postings/15486>.

Iowa State University is a Carnegie RU/VH institution (research university - very high research activity), is a member of the Association of American Universities (AAU), and is ranked by U.S. News and World Report as one of the top public universities in the

nation. Over 36,000 students are enrolled and served by over 6,200 faculty and staff (see www.iastate.edu).

Ames, Iowa is a progressive community of 60,000, located approximately 30 minutes north of Des Moines, and recently voted the healthiest city in the nation by USA Today and the best college town in the nation by Livability.com (see www.visitames.com).

Iowa State University is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status, and will not be discriminated against. Inquiries can be directed to the Director of Equal Opportunity, 3350 Beardshear Hall, (515) 294-7612.

Indiana State University

Tenure-Track Position

The Department of Mathematics and Computer Science at Indiana State University invites applications for a tenure-track position in Computer Science at the rank of Assistant Professor.

ISU is an EO employer.

For more information visit <http://cs.indstate.edu/info/positions.html>

Indiana University

Postdoctoral Fellow

Center for Complex Network and Systems School of Informatics and Computing (SOIC)

The Center for Complex Networks and Systems Research (CNetS.indiana.edu) has two open postdoctoral positions on the characterization and modelling of complex systems. The appointments start in Fall 2016 for one year and are renewable for another year, subject to funding and performance.

Professional Opportunities



DATA TO INSIGHT CENTER
INDIANA UNIVERSITY
Pervasive Technology Institute

Indiana University, Bloomington
School of Informatics and Computing (SOIC)
Pervasive Technology Institute (PTI)
Data to Insight Center (D2I)
Postdoctoral Fellow

The Data To Insight Center (D2I) at Indiana University seeks a Postdoctoral Fellow to carry out R&D in secure Big Data systems. The successful applicant will be responsible for leading efforts, taking research prototypes to production, and mentoring graduate student work within the context of a recent grant that funds advancements to the secure data commons of HathiTrust's Research Center, which provisions computational analysis over millions of texts. The successful applicant has a publication record, and will participate in dissemination, outreach, and training of research results and new tools. Must work well in a team setting.

Minimum Qualifications: PhD in Computer Science, Computer Engineering, or related field; Publications or experience in security and experimental performance evaluation on clusters or cloud; demonstrated experience in engaging users of research tools.

Additional Qualifications: Interest in Big Data text/data mining, data protection; Experience with any of following is a plus: web security, virtualization or containerization, Java, MapReduce or Apache Spark.

Appointment Type: Twelve-month non-tenure track appointment subject to satisfactory performance and funding; Position is currently funded for three years and has potential to be extended.

Apply Online at: <http://indiana.peopleadmin.com/postings/2260>

For Best Consideration Apply By: March 18, 2016

Ideal Start Date for position: April 18, 2016

Questions regarding the position or application process can be directed to Jenny Stevens, jolmesst@indiana.edu at the [Data To Insight Center](#)

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.

The salary is competitive and benefits are generous.

The postdocs will join a dynamic and interdisciplinary team that includes computer, physical, and cognitive scientists. The postdocs will work with Prof. Santo Fortunato on various areas of complex systems research, including community detection in networks, computational social science (opinion dynamics, online experiments on social influence) and science of science (citation and collaboration patterns between scientists, impact dynamics).

Minimum Qualifications:

The ideal candidates will have a PhD in computing or physical sciences; a strong background in analysis and modeling of complex systems and networks; and solid programming skills necessary to handle big data and develop large scale simulations.

Salary: Commensurate with qualifications and experience.

Rank: Postdoctoral Fellow (RSP)

Appointment Type: Twelve-month non-tenure track appointment subject to satisfactory performance and funding; Potential to be extended annually for a maximum term of 3 years, subject to performance and funding. Position is currently funded for three years.

Apply Online at: <http://indiana.peopleadmin.com/postings/2280>

Special Instructions: Interested applicants should upload a letter of interest, CV, and contact information for three professional references using above application link.

For Best Consideration Apply By: March 28, 2016

Ideal Start Date for position: August 1, 2016

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,

Department of Media and Information TENURE SYSTEM ASSISTANT PROFESSOR IN DATA SCIENCE AND HEALTH

The Department of Media and Information (M&I) at Michigan State University (MSU) invites applications for a full-time, tenure system faculty position at the rank of Assistant Professor in the area of data analytics with a strong interest in health, health IT, e-health, and/or m-health.

More details are available at <http://cas.msu.edu/job/posting-1632/>. To apply, please visit the Michigan State University Employment Opportunities website (<https://jobs.msu.edu>), refer to Posting #1632, and complete an electronic submission. Review of applications will begin immediately, and continue until the position is filled.

MICHIGAN STATE
UNIVERSITY

MSU is committed to achieving excellence through cultural diversity. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities.

MSU is an Affirmative Action, Equal Opportunity Employer.

Professional Opportunities

color, race, religion, sex, sexual orientation or identity, national origin, disability status or protected veteran status.

Michigan State University

*Department of Media and Information
Tenure System Assistant or Associate
Professor in Media and Information*

The Department of Media and Information (M&I) at Michigan State University (MSU) invites applications for a tenure-track faculty position at the rank of Assistant Professor or Associate Professor in the area of Media and Information broadly defined. We seek an emerging scholar and teacher with an innovative research program that can complement our efforts to expand the boundaries of our field.

More details are available at <http://cas.msu.edu/job/posting-2778/>. To apply, please visit the Michigan State University Employment Opportunities website (<https://jobs.msu.edu>), refer to **Posting #2778**, and complete an electronic submission. Please direct any

questions to Professor Casey O'Donnell, Search Committee Chair, Department of Media and Information at Michigan State University, at caseyod@msu.edu.

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

Missouri University of Science & Technology

*Department of Computer Science
Assistant Teaching Professor*

The Department of Computer Science at the Missouri University of Science and Technology (Missouri S&T) in Rolla, Missouri is seeking outstanding applicants for a non-tenure-track faculty position at the level of Assistant Teaching Professor, although highly-qualified applications for Associate/Full Teaching Professor may be considered as well. The

appointment will start Fall Semester 2016. A competitive salary commensurate with the rank of the position and the qualifications of the candidate will be offered.

The successful candidate will be expected to have a strong commitment to high-quality teaching, primarily but not exclusively at the undergraduate level, and service to the department and the campus. Applicants must have a demonstrated record of quality teaching and hold a graduate degree, Ph.D. preferred, in Computer Science or a closely related field by the appointment start date. Candidates at the Associate/Full Teaching Professor level should have a sustained record of innovative high-quality teaching, scholarly work, and appropriate service and leadership roles. Candidates at the Full Teaching Professor must hold a Ph.D. in Computer Science or a closely related field by the appointment start date.

Interested applicants should electronically submit an application consisting of 1) a cover letter, 2) a current curriculum vitae, 3) a statement of teaching interests and experience, 4) any supplementary evidence of teaching and communication skills, and 5) complete contact information for five references to Missouri S&T's Human Resource Office at <http://hr.mst.edu/careers/academic> and must include Reference Number 00059846. Incomplete applications may not be processed by the search committee. Acceptable electronic formats include PDF and MS Word; hard copy applications are not accepted. Applications that do not include the position reference number will not be processed. Review of applications will begin April 1, 2016 and continue until the position is filled. For more information, please contact the Search Committee Chair, Dr. Jennifer Leopold, at: leopoldj@mst.edu.

Missouri S&T is an AA/EEO employer and does not discriminate based on race, color, religion, sex, sexual orientation, national origin, age, disability, or status as Vietnam-



جامعة قطر
QATAR UNIVERSITY

Assistant/Associate/Full Research Professor in Cyber Security

Qatar University invites applications for research faculty positions at all levels. Candidates will cultivate and lead research projects at the KINDI Center for Computing Research in the area of Cyber Security.

Qatar University offers competitive benefits package including a 3-year renewable contract, tax free salary, free furnished accommodation, and more.

Apply by posting your application on the QU online recruitment system at careers.qu.edu.qa under "College of Engineering"

Professional Opportunities

era 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.

Naval Postgraduate School

Department of CS

Multiple tenure-track Assistant Professor Positions

The Naval Postgraduate School has multiple full-time tenure-track Assistant Professor positions in Computer Science, with emphasis on security, data science, machine-learning, and networks. Must have a Ph.D. in Computer Science or a related field, and US citizenship.

See <http://cs.nps.edu/Faculty/Opening/CSFacultyOpenings.html>

Princeton University

Computer Science Department

Full-Time Lecturer(s)

The Department of Computer Science seeks applications from outstanding individuals who share our strong commitment to undergraduate education to join our teaching faculty.

Computer Science is enjoying record popularity at Princeton, and opportunities abound to engage with our outstanding students at many levels. Our large undergraduate courses are the shared responsibility of a team of faculty and graduate assistants. A successful candidate for this position will participate in such a team at the outset. After gaining experience in this way, job responsibilities can include teaching upper-level courses, advising undergraduate research, curriculum development, state-of-the-art software technology development, data analytics, outreach to under-represented groups, and online content development.

Research and scholarship in CS education or in any area of CS is also encouraged. An advanced degree in computer science, or a related field, is required (PhD preferred).

Further information about the Computer Science Department at Princeton can be found at: <http://cs.princeton.edu/>.

Applications must include a cover letter, curriculum vitae, teaching statement,

material relevant to evaluating the applicant's teaching abilities and research accomplishments, and the names of at least three references. To apply, please submit a cover letter, CV, and contact information for three references to (Princeton University). This position is subject to the University's background check policy.

Visiting Assistant/Associate Professor of Data Science

Closing Date/Time: Sun. 01/10/16 11:59 PM Pacific Time

Salary: Depends on Qualifications

The School of Economics and Business Administration at Saint Mary's College seeks candidates for a visiting faculty position at Assistant or Associate Professor level in Data Science, beginning Fall 2016.

Responsibilities:

- Candidates will be expected to teach a variety of courses including data science, data visualization, business intelligence, and statistics. This position at Saint Mary's College includes courses at off-site locations in San Francisco, Silicon Valley and San Ramon.
- Preference will be given to candidates who demonstrate active research on cutting-edge analytical methods in business and its applications to the environment and society. Duties will include research and teaching at the graduate and undergraduate levels

Experience and Qualifications:

- Earned master's or doctorate in Data Science, Statistics, Business Analytics, or in a closely related field required, before commencing his or her academic appointment.
- Demonstrated track record or potential for teaching excellence, scholarly research and publication in the field.

For more information and to apply, visit <http://aptrkr.com/770661>

Equal Opportunity Employer



Professional Opportunities

Princeton University 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.

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

Requisition Number: 1600161

SUNY Canton

Faculty Member

The Canino School of Engineering Technology at SUNY Canton seeks a faculty member in the areas of Computer Information Systems/ Information Technology. Specialty areas of interest include (but are not limited to) computer logic, operating systems, programming, system design, network technology and administration, and cybersecurity. The intended appointment is at the rank of instructor (other ranks considered).

Minimum qualification of Master degree in a field related to computer systems. Terminal degree considered.

The successful candidate will be expected to be part of ever-evolving programs and assist in growing enrollment. The candidate will also teach in our game design program. The faculty member is encouraged to be an innovator within her/his discipline. There is an expectation to perform applied scholarly activities on technological problems as related to the profession and society. Faculty are also expected to participate in undergraduate instruction in the areas of technical competence; in faculty governance; in departmental, university, professional, and public service; and with an industry leader advisory board.

Persons interested in the above positions should apply online at <https://employment.canton.edu/>. Review of applications will begin immediately and will continue until the position is filled. Prior to a final offer of employment, the selected candidates will be required to submit to a background check including, but not limited to, employment

verification, educational and other credential verification, and criminal background check.

SUNY Canton is an Affirmative Action, Equal Opportunity Employer with a commitment to diversity in our faculty, staff, and student body.



Berkeley
University of California

Director, Simons Institute for the Theory of Computing and Full Professorship

THE UNIVERSITY OF CALIFORNIA, BERKELEY invites applications for an approved tenured **FULL PROFESSORSHIP** commencing with a five-year 100% appointment as DIRECTOR of the Simons Institute for the Theory of Computing with an expected start date of July 1, 2017. For more information about the position, including required qualifications and application materials, go to: <http://apptrkr.com/762645>

The deadline to apply is April 15, 2016. For questions please contact the Search Committee Chair at eecs-faculty-recruiting@eecs.berkeley.edu

UC Berkeley is an AA/EEO employer.

Professional Opportunities

University of California, San Diego

*Department of Computer Science and
Engineering*

Multiple Ladder-Rank Faculty Positions Open

The UCSD Department of Computer Science and Engineering (CSE.) invites applications for a tenured faculty position (Associate or Full Professor) and for multiple tenure-track faculty positions (Assistant Professor) in our dynamic and rapidly growing department. Exceptional candidates in all areas will be seriously considered. Our focus this year is on candidates who advance research in data sciences (databases, data mining, machine learning), networking, systems, security, robotics, design and bioinformatics. Across all areas, we have particular interests in candidate who have experience and interest in building real experimental artifacts in their research and/or otherwise advance the emerging areas of "design" in interdisciplinary areas across engineering and social sciences. Appointments in robotics and design areas are jointly with the Department of Cognitive Science. Candidates with experience or willingness to engage in activities that contribute to diversity and inclusion are especially encouraged to apply.

The department is looking for applicants with outstanding research credentials. Successful applicants are expected to lead a vigorous research program and will be required to teach university students. A Ph.D. or advancement to candidacy in Computer Science & Engineering or related disciplines is required at the time of application. Salary and rank will be commensurate with qualifications in conformance with University of California policies.

The CSE Department is committed to building an excellent, diverse, and inclusive faculty, staff and student body. In addition to the highest standards of scholarship, teaching, and professional activity, the preferred candidates for any position will have potential

or demonstrated contributions to a climate that supports equity, inclusion, and diversity.

CSE is home to over 50 faculty and 500 graduate students who span a range of research areas in computer science, computer engineering and bioinformatics. In addition, the department works closely with the Center for Networked Systems (CNS), the California Institute for Telecommunications and Information Technology (CallT2), the San Diego Supercomputer Center (SDSC), and the Center for Wireless Communications (CWC), which provide unique opportunities and resources. More information can be found at <http://www.cse.ucsd.edu>.

We encourage candidates to send applications as soon as possible. Applications received by January 1, 2016 will be given full consideration. However, positions remain open until filled.

Please submit a cover letter, curriculum vita, research and teaching statements, contact information for 3 to 5 references to provide letters (the names/addresses, including email address), and a separate statement describing your past efforts and future plans to promote diversity and inclusion. For further information about contributions to diversity statements, see <http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp>.

For applications to an Assistant

level position: All applications should be submitted via our AP On-Line Recruit submission web site at: <https://apol-recruit.ucsd.edu/apply/JPF00962>

For applications to an Associate or Full

level position: All applications should be submitted via our AP On-Line Recruit submission web site at: <https://apol-recruit.ucsd.edu/apply/JPF01039>

For applicants with interest in spousal/partner employment, please see <http://academicaffairs.ucsd.edu/aps/partneropp/index.html> for the UCSD Partner Opportunities Program.

UCSD is an equal opportunity and affirmative action employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. (see <http://diversity.ucsd.edu>).

The University of Colorado Boulder

Dean of the College of Engineering and Applied Science

The University of Colorado Boulder (CU-Boulder) invites applications for the position of Dean of the College of Engineering and Applied Science. Additional information can be found at www.wittkiewer.com.

Inquiries, nominations, and expressions of interest may be sent to Jennifer Biehn and Brian Bloomfield, Witt/Kieffer consultants, at CUBoulderCEASDean@wittkiewer.com by March 28, 2016.

University of Denver

Senior Associate Dean

The University of Denver invites nominations and applications for the position of Senior Associate Dean for the Daniel Felix Ritchie School of Engineering and Computer Science.

Founded in 1864, the University of Denver is an independent, doctoral granting research university with high research activity. US News and World Report lists the University of Denver among the nation's top 100 universities. Located on a 125-acre campus in a residential neighborhood just minutes from downtown, the University enrolls approximately 11,800 students in its distinguished undergraduate liberal arts and sciences, and graduate and professional programs. The University's Chancellor, Rebecca Chopp, brings more than 20 years of experience in higher education leadership.

The Ritchie School is home to the Departments of Computer Science, Electrical and Computer Engineering, and Mechanical

Professional Opportunities

and Materials Engineering, plus several research institutes and centers. The School employs 38 full-time appointed faculty and 11 staff, enrolls 544 undergraduate and 175 graduate students and offers bachelors, masters and doctoral degree programs. The School is presently constructing a \$63M building that will include state-of-the-art instructional and research facilities. Anticipated completion of the building is in the summer of 2016. Additional information about the Ritchie School is available at <http://www.du.edu/ritchieschool>.

Reporting to the newly appointed dean, JB Holston, the senior associate dean will serve as the chief academic officer for the School, bringing strong leadership in the field of engineering, and help drive strategic growth in engineering research and curricula development. The ideal candidate must be an innovative and entrepreneurial leader, who can build the School's engineering capabilities, both operationally and strategically, with the goal of developing a strong engineering program.

The successful candidate must have an earned doctorate in an engineering discipline, preferably in electrical, mechanical, computer, or materials engineering, and/or in computer science, as well as demonstrated scholarship consistent with appointment to full professor. The ideal candidate will have experience as a department chair, assistant dean, and/or an associate dean and have demonstrated success in building a highly innovative, interactive, and entrepreneurial engineering and, preferably, computer science program.

This position is anticipated to begin in the summer of 2016. For best consideration, please send all nominations, inquiries and expressions of interest in confidence and electronically to:

Shelly Weiss Storbeck, Managing Partner
Liz Moseley, Senior Associate
Storbeck/Pimentel & Associates, LP
DUEngineering16@storbeckpimentel.com

The University of Denver is committed to enhancing the diversity of its faculty and staff and encourages applications from women, minorities, members of the LGBT community, people with disabilities and veterans. The University is an equal opportunity/affirmative action employer.

University of Florida

Postdoctoral Fellowship

The Media Effects and Technology Lab at the University of Florida's College of Journalism and Communications (<http://www.jou.ufl.edu>) has an opening for a postdoctoral fellowship. The primary responsibilities of the fellow will be to help build the virtual reality (VR) component of the lab, including managing hardware and software, designing and running studies, analyzing data, assisting with grant proposals, and conducting training modules/sessions. The fellow will have a Ph.D. in hand (or should defend and join the lab by August 2016). The ideal candidate would have extensive experience (e.g. 4-5 years of graduate studies) developing research-quality *immersive* virtual reality applications, preferably in Unity3D, involving commercial head-mounted displays and wide-area tracking systems. Experience incorporating embodied conversational agents (e.g., 3D models, animation, and artificial intelligence) into social applications is desirable, as is the ability to network together multiple virtual reality systems into collaborative virtual environments. An understanding of experimental methods and statistical skills are a plus.

Salary is competitive. The fellowship is for one year, with the opportunity to renew for a second year.

For more details about the position, please contact Sri Kalyanaraman at: sri@jou.ufl.edu.

University of Nebraska-Lincoln

Assistant Professor of Practice of Computer Science and Engineering

The Department of Computer Science and Engineering at the University of Nebraska-Lincoln seeks outstanding applicants for the position of Assistant Professor of Practice of Computer Science and Engineering. The planned start date of this position is August 15, 2016.

The successful candidate will join the faculty for the new Bachelors of Software Engineering degree at UNL. They will work with existing faculty to develop, deliver, assess, and refine our novel approach to software engineering education.

Candidates must have a doctorate in software engineering, computer science, and/or computer engineering or related field. Candidates must have a strong commitment to undergraduate teaching and previous effective teaching experience (as evidenced by evaluations and demonstrated support of academic programs and student success). Candidates must also have experience in introductory level teaching and curriculum development in software engineering, computer science, and/or computer engineering. Strong oral presentation and communication skills are required.

To apply, please go to <http://employment.unl.edu> and complete Faculty/Administrative application F_160019. Required application documents include a cover letter, curriculum vitae, a teaching statement, and names and contact information for at least three references. Review of applications will begin April 1, 2016 and will continue until the position has been filled. The official advertisement can be viewed at <http://cse.unl.edu/facultysearch>. Please contact the search committee chair, Professor Suzette Person [sperson@cse.unl.edu, (402) 472-5040] for questions regarding the position.

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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 Missouri-Columbia

Lecturer to Associate Teaching Professor Positions

The College of Engineering, University of Missouri-Columbia seeks candidates with an excellent teaching record to teach an array of up to four courses per semester at the undergraduate/graduate level and perform service for the institution and professional organizations starting August 1, 2016.

We are particularly interested in candidates who can teach courses in one or more of the following areas in:

Computer Science: software engineering, algorithm design, database systems, operating systems, and networking.

Computer Engineering: computer organization and design, digital design, reconfigurable computing, and embedded system design.

UMC is an equal access, equal opportunity, affirmative action employer that is fully committed to achieving a diverse faculty and staff. Equal Opportunity is and shall be provided for all employees and applicants for employment on the basis of their demonstrated ability and competence without unlawful discrimination on the basis of their race, color, national origin, ancestry, religion, sex, sexual orientation, gender identity, gender expression, age, genetic information, disability, or protected veteran status. For more information, call 573-882-4256. ADA accommodations please call 573-882-5835.

To apply, submit using our online application process at <http://hrs.missouri.edu/find-a-job/academic/index.php> upload a cover letter indicating your preferred discipline, CV, teaching statement and contact information for three references by May 2, 2016. Questions about this position should be directed to Hani Salim, Associate Dean, salimh@missouri.edu

University of New Orleans

*Computer Science
Assistant Professor*

POSITION CATEGORY: Big Data

Position Description: The Department Of Computer Science At The University Of Orleans Invites Applications for a tenure-track position at the rank of Assistant Professor to begin in August 2016. Successful candidates should have a Ph.D. degree in Computer Science or a closely related area and have demonstrated a solid research record in the general area of Big Data.

We are primarily looking for applicants whose expertise would extend and complement existing strengths within the department. Candidates with expertise in environmental informatics, security and privacy of big data, bioinformatics, medical informatics, security and privacy of cloud-hosted data are especially encouraged to apply. Exceptional candidates in other related areas will also be considered.

A detailed description of this position can be found at: <http://www.uno.edu/cos/computer-science/documents/Position-1652.pdf>

APPLICATION INSTRUCTIONS: Please submit a letter of application, resume, and three letters of reference to the search committee: search@cs.uno.edu.

University of Virginia

*Department of Computer Science
Full-time Lecturers*

The University of Virginia School of Engineering and Applied Science invites applications for multiple full-time Lecturer positions in the Department of Computer Science for the fall 2016 and spring 2017 semesters. The appointment will be on an academic-year basis, but there may be the opportunity for summer instruction as well. Renewal for subsequent years is contingent on satisfactory performance and availability of funds.

Responsibilities include teaching three sections per semester of a mix of upper- and lower-division courses, with course assignment based on experience and abilities.

For more information, please go to this website: jobs.virginia.edu/applicants/Central?quickFind=78381

University of Virginia

Faculty Positions in Cloud Scale Systems and Data Analytics

The University of Virginia seeks candidates for two or more open-rank, tenured or tenure track faculty positions in a new, interdisciplinary initiative in Cloud Scale Data Analytics. Hires will be affiliated with the Data Science Institute and would have an appointment in one or more of the following schools: the School of Engineering and Applied Science, Darden School of Business, McIntire School of Commerce, Batten School of Leadership and Public Policy, and the College of Arts & Sciences. The successful candidate will have a strong record of scholarship in a technical core in data science areas such as computer systems, architectures, and languages for cloud-scale analytics; or cloud-scale analytic methods such as machine learning, data mining, unstructured data analysis, econometrics,

Professional Opportunities

modeling and simulation, or predictive analytics. Experience applying this core knowledge to business, social science or policy related questions is highly desired.

For details of this search and how to apply, please see jobs.virginia.edu/applicants/Central?quickFind=78349

University of Virginia is committed to enhancing a culturally diverse community, is an active dual career employer, and is actively boosting the participation of women faculty in science and engineering with the support of a National Science Foundation ADVANCE grant. The University is an equal opportunity and affirmative action employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

Washington University in St. Louis

Lecturer Positions

The Department of Computer Science & Engineering at Washington University in St. Louis announces openings for Lecturers, for 9- or 12-month appointments at all levels of seniority. Lecturers are full partners in our department, teaching, mentoring, and advising our students using the best practices of computer science pedagogy. Our students are bright, industrious, and passionate about their computer science studies. Applicants should have a doctoral degree in computer science, computer engineering, or a closely related field.

Washington University is a highly ranked private university, offering a competitive benefits package and the best of urban and suburban living, with high quality and affordable housing within walking or biking distance, and access to award-winning school districts.

To apply: please visit: <https://jobs.wustl.edu/> and enter job ID 32471. Washington University is an Equal Opportunity/Affirmative Action employer.

Professional Opportunities