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Inaugural CSE Industry Affiliates startup career fair, October 23, 2012

CSE Industry Affiliates Program launches startup recruiting fair

Each October, CSE hosts its annual Industry Affiliates meeting. The format has traditionally consisted of one full day of research presentations, concluding with a reception and poster session, and a second day focused on recruiting.

One of the goals of the recruiting day has been to provide companies, both big and small, direct interaction with our students. In the past few years, it has become evident that smaller companies — startups, in particular — tend to get lost among the more established companies. This fall, CSE decided to try something new. We preceded our traditional two-day Affiliates meeting with a set of events focused exclusively on startups.

The startup-focused events began with an evening event organized by Wayne Yamamoto (CSE affiliate faculty and serial entrepreneur) called "Startups...Seattle...You?" More than 100 students attended to hear from an amazing slate of speakers from the startup world, including presenters from Flipboard, Founder's Co-Op, WibiData, LearnSprout, Sift Science, Topix, and more. Information about the evening may be viewed here: www.kazabyte.com/2012/10/about-last-night-seattlestartu.html.

The next day began with a terrific talk by Sujal Patel, cofounder of Isilon, who outlined six advantages of taking the plunge and joining a startup.

Continued on page 6

From where I sit...



In the last issue of MSB, I highlighted two great new senior hires: Carlos Guestrin from CMU and Jeff Heer from Stanford. Shortly after that issue was published, we concluded our faculty recruiting season with a total of 6 new hires, the most remarkable recruiting year in our history! In addition to Carlos and Jeff, a third senior hire, Ben Taskar from University of Pennsylvania, accepted our offer. Carlos and Ben are both outstanding researchers in machine learning among the very best of their generation. Machine learning is having enormous impact across academia and industry, as researchers and companies deal with the enormous amounts of data that are being produced through scientific instruments, gene sequencing, internet data collection, point-of-sale terminals, etc. Along with Jeff Heer, whose specialty is tools for data visualization, these senior hires position CSE and UW at the forefront of "big data" research. In addition, we expect to be doing a faculty search this year in that area, jointly with the Department of Statistics.

At the junior level we hired two young researchers in computer vision. Ali Farhadi is an expert in object recognition; he was most recently a postdoc at CMU following his Ph.D. at the University of Illinois. Ira Kemelmacher-Shlizerman is an expert in modeling and manipulation of facial images; she was a postdoc in UW CSE working with Steve Seitz, following her Ph.D. at the Weizmann Institute. A third junior hire, Shyam Gollakota joined us from MIT, where he had just completed his Ph.D. in wireless networking. These junior hires, described in more detail in this issue, add significantly to our current strengths in computer vision and computer systems. We are extremely excited by the talents and energy that all of these new hires bring to CSE and to what it means for our future.

Our new hires created a lot of buzz nationally, and in part led to a remarkable article about CSE that appeared on the front page of the *New York Times* Sunday Business Section on July 7th (see: <http://tinyurl.com/NYTprofilesUWCSE>). The article highlighted the successes of the department and particularly the demand for our students. It also signaled the national status of the department: "Although Stanford is considered the Hogwarts of techdom, U.W. has quietly established itself as the other West Coast nexus of the information economy." Overall, these hires and the related publicity (see also the *Seattle Times*: <http://tinyurl.com/SeattleTimesprofilesCSE>) show the incredible progress of the department, which is the result to a large extent of the creativity and hard work of our students at all levels.

Finally, I'm happy to announce that as the result of increased funding for our program that resulted from a legislative initiative last spring, we are growing our programs by around 25% at all levels. At the bachelors levels, we will be increasing to 200 degrees a year. This will allow us to accept more of the highly qualified students who would like access to our program.

Overall, it's been a remarkable and exciting year for the department, and we look forward to continued growth and excitement in the years to come.

Wishing all of you a happy and healthy new year.

A handwritten signature in purple ink, which appears to read "H. Levy".

Henry M. Levy
Chairman and Wissner-Slivka Chair

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World Lab

World Lab:

A cross-cultural, interdisciplinary institute applying technology to attack important problems while producing the leaders of tomorrow

There are many urgent problems facing the planet: a degrading environment, a healthcare system in crisis, and educational systems that are inadequately training innovative thinkers to solve the problems of tomorrow.

World Lab is a new research and educational institution that is ideally suited to tackle these grand challenges. The World Lab was founded by James Landay, Short-Dooley Professor of Computer Science & Engineering, and colleagues at Tsinghua, one of China's top universities, after Landay spent his sabbatical living in Beijing and working at Microsoft Research Asia. The World Lab is sited jointly between two of the world's leading computing and human-centered design institutions, the University of Washington in Seattle and Tsinghua University in Beijing.

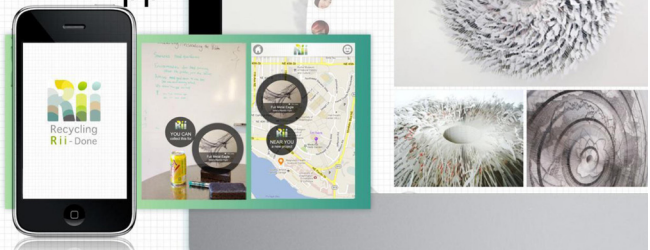
"In China I saw a lot of excitement and rapid development in computing," Landay said. "But I also saw ways that China and the US could learn from one another."

This past summer, the UW hosted the first World Lab Summer Institute, a summer exchange that brings together computer science, human-computer interaction and design students from the UW and Tsinghua, and challenges them to create prototypes for products and services that solve pressing social problems. Together they spent seven weeks developing ways that technology could be used to address global issues in health, environment, and education.



Students from China and the U.S. worked in teams of four to brainstorm ideas and develop apps.

Website and Mobile App



A student team developed an app to locate and donate materials to recycled artworks.

During the summer program, eleven Chinese graduate students and nine UW students took classes and worked together on group projects. The projects were developed by teams of four students, with a balance of Chinese and US students and an equal mix of design and technical expertise. Each team worked independently to develop a working prototype with demonstrable social impact. By the third week of the program each team had created a project concept video.

At the end of the seven weeks, the teams pitched their ideas along with a finished prototype and a high-quality video. The prototype apps included a social-networking tool to donate materials and view recycled artworks; a web platform for sharing and exploring first-hand accounts from history and our lives; an armband that prompts people to incorporate micro-exercise in their day; and a tool to help parents be more closely involved in many aspects of their child's education. Though many of the ideas were non profits, each team included a business plan. More information on each of these projects is available here:

<http://worldlab.cs.washington.edu/teams/>

Six of the UW students, along with ten of the Chinese students, presented their work to an audience of academics, government officials, entrepreneurs, venture capitalists and their peers in China this past September. The final presentations were held at Yuanfen~Flow, an incubator space in the 798 art district in Beijing and at Tsinghua University.

The summer program was funded through grants from Microsoft, Intel, Google, Nokia, and Professor Landay's Short-Dooley Professorship.

Hires in computer vision, computer systems, wireless systems bolster CSE

Research in UW CSE's Graphics and Imaging Lab (GRAIL) spans a wide range of areas in computer graphics, computer vision, computer animation, and game science. Current activities include 3-D reconstruction, image-based rendering, computational photography, game play and aesthetics, and scientific discovery and education through games.

This year we added two rising stars to the GRAIL faculty.

Ira Kemelmacher-Shlizerman received her Ph.D. in computer science and applied mathematics from the Weizmann Institute of Science in 2009. For the past three years, she has been a postdoctoral researcher in UW CSE.



Ira's research focuses on problems in computer vision and computer graphics. Her recent emphasis is on developing computational tools that can capture, model, and render a person's appearance (particularly facial characteristics) and behavior from the billions of photos that can be found online

or in personal photo collections. Her research on "Exploring Photobios" was highlighted by CBS, MSNBC, *New Scientist*, and others. As a consultant to Google, she developed the "Face Movie" feature in Google's Picasa photo service from this work. Learn more about Ira here:

www.cs.washington.edu/people/faculty/kemelmi

Ali Farhadi received his Ph.D. from the University of Illinois in 2011 and spent a year as a postdoctoral fellow in the Robotics Institute at Carnegie Mellon University. He brings leadership in object recognition to our already-superb efforts in computer graphics, computer vision, games, and animation. He has made significant contributions to computer vision, specifically in the improvement of object recognition algorithms.

Ali was honored in 2011 with the best student paper



award at the IEEE Conference on Computer Vision and Pattern Recognition (CVPR) for his work on visual phrases. He also received the inaugural Google fellowship in computer vision and image interpretation, and the University of Illinois' C.W. Gear award.

Ultimately, Ali's goal is to build recognition models that can provide deeper understandings of visual data and come closer to what humans can infer from images or videos. His primary focus has been on object recognition where he seeks deeper insights to profound questions about what an object recognition algorithm should predict for an image. Learn more about Ali here:

www.cs.washington.edu/people/faculty/ali

CSE pursues high-impact research into fundamental aspects of networks, operating systems, distributed systems, security, and privacy. We are thrilled that Shyam Gollakota joined this group this fall, adding his strengths in wireless systems.



Shyam received his M.S. and Ph.D. degrees from the Massachusetts Institute of Technology and his B.Tech. degree from IIT Madras.

Shyam's primary research interest is in the area of wireless systems; his goal is to design and build new protocols and systems that improve the performance and security of wireless

networks. As wireless and mobile systems play an increasingly important role in our lives, the demand for access to data from handheld devices increases. His research focuses on two main challenges that must be overcome to realize the full potential of modern wireless networks — performance and security.

Shyam has won two best paper awards at the ACM SIGCOMM conference (the leading conference in computer networking), one on security for implantable medical devices, and one on ZigZag, the first wireless receiver that can decode collisions of simultaneous transmissions without assumptions of synchronization, large differences in power, or special codes. Learn more about Shyam here:

www.cs.washington.edu/people/faculty/gshyam

Ben Taskar joins UW CSE

Ben Taskar will join UW CSE this spring as Boeing Professor in Computer Science & Engineering. Ben is one of the leading researchers of his generation in statistical machine learning. He is currently the Magerman Term Associate Professor in the Department of Computer and Information Science at the University of Pennsylvania.



Ben received his M.S. and Ph.D. degrees in computer science from Stanford University in 2000 and 2005 respectively, and his B.S. in computer science from Stanford in 1998. His primary

research interests are machine learning and its applications to computational linguistics and computer vision — helping computers to process visual information and to understand human language. He has focused on several general themes firmly grounded in applications: learning from weak supervision, computational trade-offs in structured prediction and probabilistic models of diversity.

Ben's work has been recognized with an NSF CAREER award, a Sloan Research Fellowship, and an Office of Naval Research Young Investigator Award. Learn more about Ben here:

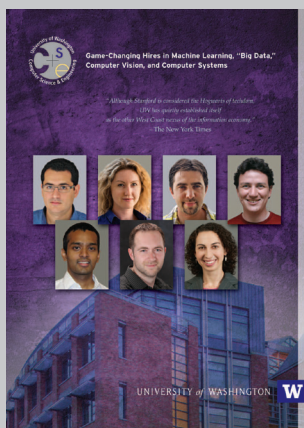
www.cs.washington.edu/people/faculty/taskar

The addition of Ben, along with Carlos Guestrin and Emily Fox (Emily is appointed in Statistics and adjunct in CSE), will move CSE into the very top group of programs nationally in AI and machine learning.

We are thrilled to welcome Ben to the University of Washington!

To learn more about CSE's spectacular new faculty hires, please see our brochure at:

<http://tinyurl.com/newhires2012>



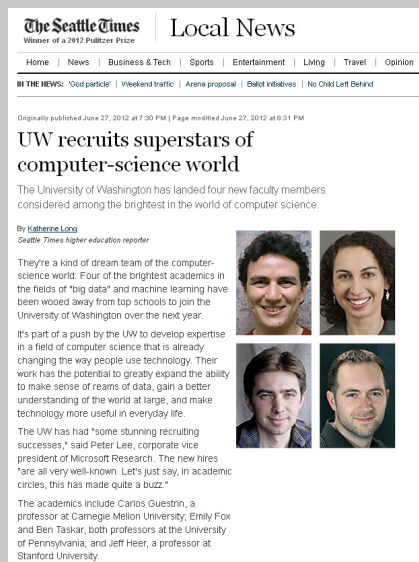
It has been an amazing year for CSE. In addition to the spectacular faculty hires, the department has been highlighted in the news. Below are just two examples of recent press. Please see "Datagrams" on pages 8 and 9 for other highlights.



The New York Times profiled UW CSE:

"Although Stanford is considered the Hogwarts of techdom, U.W. has quietly established itself as the other West Coast nexus of the information economy."

<http://tinyurl.com/NYTprofilesUWCSE>



The Seattle Times reported on UW's recruiting of four mid-career stars in Machine Learning and "big data" from Carnegie Mellon, Penn and Stanford.

<http://tinyurl.com/SeattleTimesprofilesCSE>

(Continued from first page)

Startup fair (cont'd)

Our friends at GeekWire covered his talk here:
<http://tinyurl.com/GeekWirePatel>

Following Sujal's talk, approximately 50 companies participated in the startup recruiting fair. CSE students came out in full force, taking the opportunity to meet company representatives and learn about what each company does. Some brief statistics about the participating startups are:

- 63% located in Seattle; 33% located in the Bay Area/CA.
- Several founded by CSE alums. (See box at left for more info on the participating startups.)
- Many funded by our friends at Madrona Venture Group, Andreessen Horowitz, Ignition Partners, and Frazier Technology Ventures.

We wish we could have fit more! Pictures from the event may be viewed here:

<http://tinyurl.com/bs3jdx>

CSE's winter 2013 startup recruiting fair will be held on January 23rd. This one is shaping up to be as successful as our first!



Alex Loddengaard, co-founder of MemCachier (l) and
 Christophe Bisciglia, founder of WibiData (r)

Our thanks to Alex Loddengaard and Christophe Bisciglia, who encouraged us to consider hosting a recruiting event only for startup companies.

Both Alex and Christophe are serial entrepreneurs located in the Silicon Valley. Based on their own experiences, they wanted to inspire CSE students to work in a startup environment. At Alex's suggestion, we hosted a panel session last May, entitled "why work at a startup." CSE's Oren Etzioni chaired the session, and panel speakers included Alex (CEO MemCashier), Christophe (CEO WibiData), Glenn Kelman (CEO Redfin), and Dan Weld (Washington Research Foundation/Thomas J. Cable Professor).

The Commons was packed with interested students. And from that enthusiasm sprang the seed for a more targeted startup career fair.



Company: CrystalCommerce

Founders: Dan McCarty, David Balatero

Founded: 2006

No. of employees: 20

Location: Seattle, WA

Focus: We help everyone Buy, Sell, Trade, Catalog, Collect and Insure all their cool, interesting, and valuable stuff.

URL: <http://www.crystalcommerce.com/about-us.php>



Company: CAC Vantage Sports

Founders: Cameron Tangney, Brett McDonald,
 Chase Exon

Founded: 2011

No. of employees: 5

Location: Seattle, WA

Focus: Vantage products provide our team clients with actionable insight in scouting, player analysis, and team development.

URL: <http://www.cacvantage.com>



Company: Hangtime

Founders: Allan Carroll, Karl Jacob, Mark Halstead

Founded: 2012

No. of employees: 12

Location: San Francisco, CA

Focus: Upgrade Your Social Life: World's first app to show your friends' social life.

URL: <http://hangtime.com>

Participating start-ups founded by CSE Alums

gametiime

Company: Tenacity Sports

Flagship product: Gametiime

Founders: Don Le, Jon Tam

Founded: 2012

No. of employees: 2

Location: Seattle, WA

Focus: Gametiime is an online service to make discovering sports activities simple. It is a comprehensive directory, allowing users to make a side-by-side comparison of things to do and quickly find the activity that's best for them. We will launch soon in private beta with a focus first on the growing running/endurance sports market and building out awesome social features along the way.

URL: <http://gametiime.com>

parlor

Company: Parlor

Founders: Geoff Desa, Tony Gibbon, Alex Selkirk, Mimi Yin

Founded: 2012

No. of employees: 7

Location: New York, NY

Focus: Parlor is a social reader that turns time spent on course reading into an opportunity for class participation you can measure. By instrumenting how students read, Parlor makes use of behavioral analytics and simple peer-driven learning mechanisms to push students to engage more meaningfully with their course work and with each other, all the while providing instructors with a Google Analytics-like view into how their class is performing.

URL: <http://parlor.is/reading>

sift science

Company: Sift Science

Founders: Jason Tan, Brandon Ballinger

Founded: 2011

No. of employees: 8

Location: Seattle, WA

Focus: Sift Science uses machine learning to predict when a user will result in a ban or chargeback. We help sites protect themselves from malicious users, such as fraudsters, spammers, or scammers.

URL: <https://siftscience.com/>

LearnSprout

Company: LearnSprout

Founders: Anthony Wu, Joe Woo, Franklyn Chien

Founded: 2012

No. of employees: 7

Location: San Francisco, CA

Focus: LearnSprout is working to unlock education data and empower companies + developers to build the next generation of school apps.

URL: <http://www.learnsprout.com/#home>

wibi!data

Company: WibiData

Founders: Christophe Bisciglia, Aaron Kimball

Founded: 2010

No. of employees: 20

Location: San Francisco, CA

Focus: WibiData helps organizations build personalized big data applications. It's the product of the hard work and collaboration of a talented staff, world-class investors, and amazing customers and partners.

URL: <http://www.wibidata.com/>

Datagrams

Wen-Hann Wang, David Wetherall named IEEE Fellows

CSE Ph.D. alum Wen-Hann Wang and CSE professor David Wetherall have been named to the 2013 class of Fellows of the Institute of Electrical and Electronics Engineers. Wen-Hann, Vice President of Intel's Software and Solutions Group, was recognized "for contributions to multi-level cache hierarchy and multiprocessor systems." Wen-Hann was a 2012 CSE Alumni Achievement Award winner. David, an expert in computer networking, was recognized "for contributions to the design of flexible, robust, and secure networks." David is the 13th UW CSE faculty member to be elected a Fellow of IEEE. Congratulations to Wen-Hann and David!



UW CSE research featured on David Pogue's PBS NOVA Science NOW

This fall David Pogue's *PBS NOVA Science NOW* featured some of the amazing work that happens in CSE. In October, the show featured the work of CSE's Yoshi Kohno and the CSE Security and Privacy Research Lab as the final segment of the episode "Can Science Stop Crime?" To watch this episode, please see:



<http://tinyurl.com/KohnoNOVA>.

In November, the show featured CSE Ph.D. alum Adrien Treuille (now a faculty member at CMU) as the final segment of the episode "What Will the Future Be Like?" Work on Foldit, the topic of the interview, continues here in the Center for Game Science. To watch this episode, please see: <http://tinyurl.com/AdrienFoldit>.

Anna Karlin named Fellow of the ACM

Anna Karlin, Microsoft Professor of Computer Science & Engineering, was named a Fellow of the ACM "for contributions to algorithms and to the boundary with systems, networking, data mining, and microeconomics." Anna is known for contributions in the area of algorithms, especially online and randomized algorithms, and for high-impact work at the boundary between algorithms and other areas of computer science. Areas of



focus have included competitive analysis of online algorithms; probabilistic algorithms and probabilistic analysis of algorithms; topics at the intersection of theory with systems, networking, and data mining; and, most recently, problems at the intersection of game theory, economics, and algorithms. Anna is the 18th UW CSE faculty member to be elected

a Fellow of the ACM. Congratulations, Anna!

Larry Snyder named University of Iowa 2012 Alumni Fellow

CSE emeritus professor Larry Snyder was named a 2012 Alumni Fellow by the University of Iowa College of Liberal Arts & Sciences, where he received his B.A. in 1968 in Mathematics and Economics. His award citation reads, in part: "Larry Snyder, Professor Emeritus of Computer Science at the University of Washington, is best known for his work to promote the discipline of computer science and expand computer science education, particularly during the 1990s – a time of critical transition for the discipline ... Still, he describes the most important and rewarding accomplishment of his 46-year career as having mentored 21 doctoral students."



UW team participates in the DARPA Robotics Challenge

The DARPA Robotics Challenge kicked off in mid-October by announcing that 18 teams (8 from universities and 10 from industry) will be funded by DARPA to participate in the DRC. Over the next two years, these teams will compete to develop and put to the test hardware and software designed to enable robots to assist humans in emergency response when a disaster strikes.



A UW CSE team led by Emo Todorov and including Dieter Fox, Zoran Popović, and Steve Seitz is among the competitors selected by DARPA. The team will spend the next eight months creating software for a simulated robot and then compete for the chance to use the real Boston Dynamics-designed Atlas robot. If the team receives a robot, there will be a room in the CSE building remodeled specifically for practicing with the robot. Stay tuned!

"PassChords" wins best paper award at ASSETS 2012



CSE Ph.D. students Shiri Azenkot and Kyle Rector, and CSE professor Richard Ladner and iSchool (and CSE adjunct) professor Jake Wobbrock won the ASSETS 2012 Best Paper Award at the 14th International ACM

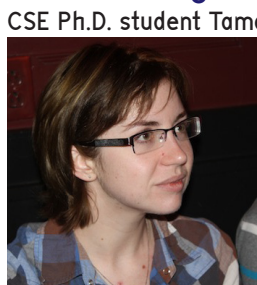
SIGACCESS Conference on Computers and Accessibility for their paper "PassChords: Secure multi-touch authentication for blind people." The paper presents a new non-visual technique, PassChords, for user authentication on a touch screen using multi-finger taps, rather than entering a traditional PIN on a virtual keypad. Congratulations, Shiri, Kyle, Richard, and Jake!

Living Voters Guide wins award; launches in WA & CA

In early October, the Living Voters Guide was honored as the winner of the Evergreen Apps Challenge. Announced in May, the challenge, encouraged geeks around the state to create apps that could benefit those living here by using government data from data.seattle.gov, data.wa.gov, and datakc.org. Following this win, the guide was expanded to include a California edition, and the Washington guide updated to include fact-checking of selected points by Seattle Public Library staff. Living Voters Guide may be viewed here: <https://wash.livingvotersguide.org>.



Tamara Denning wins 2012 Intel Ph.D. Fellowship



CSE Ph.D. student Tamara Denning, who works with professor Yoshi Kohno in the Security and Privacy Research Lab, has been named one of 18 recipients of 2012 Intel Ph.D. Fellowships. This award recognizes winning students as being tops in their areas of research. Tamara was one of three of the 18 to win special recognition of her

research at a technical poster session for the awardees. Congratulations, Tamara!

"Control-Alt-Hack" game among '25 of today's coolest network and computing research projects'

NetworkWorld recently identified "Control-Alt-Hack" as one of today's coolest research projects. "Control-Alt-Hack," a computer security-themed card game, gives teenage and young-adult players a taste of what it means to be a computer-security professional defending against an ever-expanding range of digital threats. Created by CSE Ph.D. student Tamara

Denning, professor Yoshi Kohno, and Adam Shostack (an honorary member of the Computer Security and Privacy Lab), the game is designed to be entertaining, give a

glimpse into white hat hacking, and highlight some of the more surprising aspects of computer security. The game was introduced at Black Hat 2012, an annual information security meeting. Learn about "Control-Alt-Hack" at: <http://www.controlalthack.com/>.



Jeff Dean wins 2012 SIGOPS Mark Weiser Award

In October, the 2012 SIGOPS Mark Weiser Award was presented jointly to UW CSE Ph.D. alum Jeff Dean and MIT



CSAIL Ph.D. alum (and colleague) Sanjay Ghemawat. The Mark Weiser Award was created in 2001 by the computer systems research community, to be given annually to an individual who has demonstrated creativity and

innovation in computer systems research. The award is named in honor of Mark Weiser, a computing visionary recognized for his research accomplishments during his career at Xerox PARC. To quote the nomination: "Jeff Dean and Sanjay Ghemawat were among the first 20 employees at Google. Together, they led the conception, design, and implementation of much of Google's revolutionary software infrastructure. ... Jeff Dean and Sanjay Ghemawat are brilliant and visionary engineers who truly have changed the world." Congratulations to Jeff and Sanjay!

Anne Condon elected Fellow of Royal Society of Canada

The Royal Society of Canada, founded in 1882, celebrates the nation's leading scholars in the Arts, Humanities and Sciences through election as Fellows. CSE

Ph.D. alum Anne Condon, Head of the Department of Computer Science at the University of British Columbia and a leading figure in computational biology, was one of the two computer scientist in the 2012 class. Anne's citation reads: "Anne Condon, a researcher in computational complexity theory and algorithms, has advanced understanding of the computing time and memory needed to solve classical computational problems. She has also developed creative means for programming at the nanometer scale with DNA molecules. Her algorithms for predicting and designing nucleic acid secondary structures have had significant practical impact." Anne was a 2011 CSE Alumni Achievement Award winner. Congratulations, Anne!



CSE's Summer Academy for Advancing Deaf & Hard of Hearing in Computing completes sixth year



Summer Academy 2012 participants, sitting on the steps in Red Square

The Summer Academy for Advancing Deaf & Hard of Hearing in Computing recently completed its sixth year of a 9-week academic program in computing for deaf and hard of hearing high school juniors and seniors and college freshmen and sophomores. Students completed a computer programming course for college credit, and a certificated class in animation, where students learned basic concepts of animation, including lighting, movement, shading, and storyboarding using Maya software. This year thirteen students from around the country completed the rigorous program. Working in three groups, they created short animated films, which provided students valuable lessons in leadership and working together as team members.

During the Summer Academy, computing professionals who are deaf or hard of hearing were brought in from all over the country to meet with students and talk about their educational and work experience, how they addressed accessibility issues, and the projects on which they were currently working. These presentations were followed by one-on-one mentoring sessions. Guest speakers included employees from Amazon, Cray Supercomputing, IBM, Microsoft, and salesforce.com, among others.



Students communicate in ASL in the CSE Atrium. Photo credit: Timothy Yu

At least once a week, CSE graduate students gave presentations on their research in a variety of computing fields, covering such topics as mining from big data, programs that provide self-feedback in a variety of processes, privacy issues in designing social networking systems, and power saving strategies for enabling video conversations on cell phones. Additionally, grad students who were conducting research in the field of accessible technology presented on topics including MobileAccessibility, using smart phones to solve accessibility problems; ASL-STEM Forum, an online dictionary of American Sign Language terms in computing; and MobileASL, a project that is working to make video conversations in ASL possible on cell phone networks. These presentations provided academy students with a peek into how university research programs are conducted by grad students.

An important aspect of the Summer Academy is the ability to take students on field trips to the many software and hardware companies that are headquartered or have a significant presence in Seattle. Some of these visits included the opportunity to meet employees who are deaf and hard of hearing at Google and Microsoft. Other companies visited included Adobe, Isilon, and Valve.

The Summer Academy is funded by the National Science Foundation, the Johnson Scholarship Foundation, and the Bill & Melinda Gates Foundation.

For more information on the academy, and links to the animation films created by Summer Academy students, visit:

www.washington.edu/accesscomputing/dhh/academy/



CSE grad Jason Behmer hosts the Summer Academy at EMC Isilon Division. To the left of Jason are two avenues of accessibility available to the students, captioning and an American Sign Language interpreter. Photo credit: Timothy Yu

UW CSE undergrad alum survey

We need your help!

Would you please take 10-15 minutes to fill out our alumni survey? Your answers are crucial to our assessment of how well we are preparing students for the "real world," and your feedback will also help us prepare our report for our upcoming accreditation process. We would particularly like to hear from you if you graduated from our program in the last ten years and/or have worked with recent alums from our program.



A link to the alumni survey may be viewed here:

<https://catalyst.uw.edu/webq/survey/cseadv/183754>

Please note that your responses are anonymous unless you choose to share your contact information with us in the survey.

Make an Impact: Give to CSE

Supporting UW CSE is a left-brain decision.

Every gift matters! The only way that we can maintain a top-tier program is through the generosity of many hundreds of alumni, friends, and corporations.

Your gift provides the department with resources for scholarships, fellowships, research support, and funds to build the CSE community we hope you value. Small gifts might not seem significant by themselves but when pooled together they make great things possible.



As you think about your giving, please consider making a gift to CSE. Every gift, regardless of size, helps maintain a quality experience for students that reflects the sense of community you've come to expect from us.

Making a gift online is easy. Just go to our website (www.cs.washington.edu) and select "Support CSE." You will find a variety of funds that can benefit from your support.

Highlight: G-Give Campaign

What's a G-Give?

How do you harness the energy of Google employees — particularly younger employees — and couple it with area non-profits that need support? As only engineers can do: two UW CSE alums, Jessan Hutchison-Quillan BS '07 and Krista Davis BS '05, set out to find a solution. Their efforts resulted in an initial marketing strategy "Google Cares Northwest" and evolved into an active campaign entitled "G-Give."

The idea was to create a vehicle to move Googlers from awareness to active giving. Using a Groupon-like model, G-Give highlights local non-profits during the month of December. Employees are encouraged to make a gift to the organization of their choice, and to add the company's matching dollars to double the impact of their giving. Additionally, the employee gift is matched by one or more Googlers who serve as "sponsors" of that non-profit. From this model, Jessan and Krista built a software platform that enables an employee to easily make a donation. In 2 clicks, the organization is selected, and the designated amount committed via payroll deduction.



G-Give 2011 successfully showcased nine organizations over a seven weekday period to Googlers at the Seattle and Kirkland campuses. Organizations were selected via employee nominations mailed to a discussion list. The G-Give team narrowed the number of featured organizations based on the passionate advocacy of the employee sponsors. The end result was a wide representation of deserving organizations and an almost doubling of Seattle/Kirkland Google employee giving.

This successful initiative, bringing Google employees' passions together with their philanthropy, will be replicated this year at Seattle, Kirkland, and San Francisco. UW Computer Science & Engineering is honored to be a featured non-profit in 2012 as well as in 2011, and to be the recipient of strong support from its many alums at Google. By supporting the UW CSE Google Endowed Scholarship through G-Give, Googlers will impact students now and in the future.

It all goes to show what can happen when a few individuals take a great idea and apply engineering skills to execute a solution!



most significant bits

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CSE 2012 Distinguished Lecture Series



Maria Klawe, professor of computer science and president of Harvey Mudd College, kicked off the UW CSE Distinguished Lecture series in mid-October. Her talk, "The Harvey Mudd Story: From 10 percent to 40 percent female in computer science in three years," highlighted how her institution began an effort in 2006 that quadrupled its female representation in computer science majors. Brad Smith, Microsoft's General Counsel and Executive Vice President for Legal and Corporate Affairs, delivered the second lecture, "Creating an Environment for Innovation." His lecture discussed key elements of innovative companies, regions, and nations. For the third lecture, renowned economist Susan Athey, professor of economics at the Stanford Graduate School of Business, addressed a standing-room only crowd. Her talk, "Machine Learning Meets Economics: Using Theory, Data, and Experiments to Design Markets," was co-sponsored with the department of Economics. This year's series will wrap up with Regina Barzilay, from MIT CSAIL, who will present "Learning to behave by reading." Her talk will be on January 8th, at 3:30 p.m. in EEB105.

Information on UW CSE Distinguished Lecture Series talks may be viewed here:

www.cs.washington.edu/news/distinguished_lecturer_series/