Welcome to the ninth edition of the department annual newsletter. This newsletter closes out the decade at Elon and it is fantastic to see the dramatic change in the curriculum and the computing profession. In 2000, the department did not offer a web class. In 2010, the department is offering state of the art courses on mobile computing, web-based computing, cloud computing and enterprise collaboration. The decade also marks a tremendous rise of Elon University in national stature due to the tremendous accomplishments and efforts of alumni, faculty, students and staff. This newsletter highlights some of the outstanding accomplishments of students and faculty in Computing Sciences during the past year. We are very proud that despite the challenging job market, 100 percent of our 2010 graduates found the computer job of their choice or were accepted at top graduate schools. The success of Elon graduates is based on a balanced combination of both soft skills and technical skills. Elon students have superb interpersonal skills and excel at team work, oral communication and written communications. The Computing Sciences Department adds leading edge technical skills that allow our students to stand out in the work place where collaboration is critical.

This year, I ask your support to further enhance the skills and opportunities for Elon students. Your support can be as simple as connecting to me on LinkedIn (http://www.linkedin.com/in/eloncsprof). This will provide me a description of your current position and job history that I can brag about to the students who are considering Elon. You can also email me your job title and provide me details of the technical skills you are using and/or seeing used that you feel are critical for our students. These inputs help guide the curriculum and provide students with real world examples that illustrate the technology used in industry. Internships and quality job opportunities upon graduation are critical for our students. Please let me know if you have any within your organization and I would be glad to ask Elon Career Services to follow up with you. Finally, Elon has recently provided a link on the department web page, www.elon.edu/compsci, that allows alumni and parents to donate directly to the department. This is an exciting new funding source that the department can use to fund students to attend annual conferences such as Google IO in San Francisco and to continually enhance the student lab hardware and software. In closing, the department is extremely proud of your accomplishments and your successes. We wish you a happy, productive and exciting 2011.
Spotlight on Students: Undergraduate Research

Amanda Bienz completed a Research Experience for Undergraduates (REU) at Clemson University this past summer. She helped create the language processing for a virtual patient which helps train nursing students.

Jonathan Cityt presented at SURF on using an image-based password system as security for small-screen touch devices. Even more impressively, he published a paper as first author in the International Conference on Security and Management. This paper, co-authored with his mentor Duke Hutchings, is entitled “Design & Evaluation of an Image-based Authentication System for Small Touch-screens.”

Amy Eubanks also completed an REU at Elon this summer. Her research included completing an augmented reality application on mobile smart phones. Her mentor was Joel Hollingsworth.

Carter Kozak earned a student position at the International TeraGrid conference. He has been using TeraGrid resources in an ongoing research project with mentor Megan Squire on the collection and storage of data about free and open-source software development.

Jamie Schatz presented at SURF on data collection and modeling of the FLOSSmole project. This project was begun in 2004 by her mentor, Megan Squire, and houses data about Free, Libre, and Open Source Software. Jamie has worked on the FLOSSmole project by collecting, analyzing, and publishing data about FLOSS projects online.

Katherine Vogt completed a REU at Virginia Tech studying the collaborative use of large display environments for multiple users working simultaneously.

Spotlight on Students: Professional Activity

Tyler Anderson helped to create the “Take Five” app. (Photo from E-Net)

Tyler Anderson worked as an intern at Iconfactory in Greensboro during the summer of 2010. As part of this internship he helped to create an iPhone app called “Take Five”, which manages music playing, making it easy to pause and automatically restart music when experiencing interruptions.

Adam Price’s summer internship was at New Breed Logistics, a High Point company that coordinates the shipment and storage of goods for corporate clients like Boeing and Sony. Adam helped create software for viewing company documents over the web.

Adam Price worked at New Breed Logistics. (Photo from E-Net)
Congratulations to the winners of the 2010 Computing Sciences Departmental Awards.

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<td>Computer Science Academic Achievement</td>
<td>Tess Stamper</td>
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<td>Computing Sciences Department Service</td>
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We would like to extend a special congratulations and thank you to Dan Cresse, who has received the Departmental Service award for three consecutive years. His unprecedented service to the department is greatly appreciated.

Computing Sciences Student Organizations

The student chapter of the Association for Computing Machinery (ACM) continues to be an active student organization on campus. They hold a game night in Belk Library at least once a year. These events feature both video and board games and draw a large group of participants of both faculty and staff. In addition, the ACM defines the atmosphere for the department, creating t-shirts each year and representing the department at events such as the organization fair. Follow ACM’s activities by joining their Facebook group.

The Computing Sciences programming teams continue to grow in number and success. This year four teams of students competed at Duke in the ACM Mid-Atlantic Regional contest. Students in the contest were: Jamie Albinson, Steven Norris, David Schlosser, David Edge, Carter Kozak, Nestor Walker, Amanda Bienz, Amy Eubanks, Thomas Price, Tyler Anderson, Ben Blach and Danielle Mullin. These students represented Elon well, all finishing in the top half of all 157 teams.

Students participate in the ACM-sponsored Game Night. (Photo from ACM)

Student programming teams gather at Duke University. (Photo from E-Net)
Faculty Accomplishments

Lynn Heinrichs won the “Distinguished Service Award” for the Southwest Region Decision Sciences Institute (SWDSI) for 2010. She has served as their president, program chair, council member, and also helped to launch their first web site. She also moderated a panel at the 2010 meeting of the SWDSI entitled “Imagining Information Systems in 2015”. At the same meeting, she presented a workshop called “Integrating Microsoft Office SharePoint Server (MOSS) in the MIS/CIS Curriculum.”

Duke Hutchings was awarded a patent for “Efficient Workspace Management Using Content Groups” jointly with other researchers from Microsoft. The invention, TaskZones, is a way to manipulate windows on multiple-display systems. Duke also published a paper, “Controlling Information Display in Larger Pixel Spaces: A Study of Window Snipping by Multiple-monitor Users” in the Southeast Regional ACM conference.

Dave Powell and Joel Hollingsworth presented a paper titled “Teaching Web Programming Using the Google Cloud” at the Southeast Regional ACM conference.