Stephanie Rogers

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Education

University of California, Berkeley   Cumulative GPA: 3.86
B.A. Computer Science | B.A. Applied Mathematics | May 2013
Math Coursework: Calculus, Linear Algebra, Discrete Math, Advanced Physics, Abstract Algebra, Number Theory
CS Coursework: Computer Security (CS161, CS261), Cryptography (Math116), Privacy (CS294), Operating Systems, Networking, Artificial Intelligence, Algorithms, Data Structures, Machine Structures, IT History Digital Electronics, Mac Student Developers

Research Experience

August 2012 – Present	**Authentication via Touchscreen Analytics** – *Professor Dawn Song*
	- Using machine learning to classify and authenticate users on an Android phone based off of touchscreen usage
Sep 2012 – Present	**Password Usage Analytics** – *Professor David Wagner*
Oct 2011 – May 2012	**Android Security** – *University of California, Berkeley*
	- Worked on performing a large scale measurement study to determine how many Android applications may be vulnerable to malicious websites that a user may access while browsing
	- Developed a tool to determine whether a user can navigate away from a designated webpage and land on a potentially malicious third-party site
Jan 2012 – May 2012	**Classifying Android Applications by GUI Feature Extraction**
	- Worked in a group of five students to classify Android applications based on GUI features which were extracted from a set of more than 1000 applications
May 2011 – Jan 2012	**Web Application Security** – *Imperva (Data Security Company)*
Redwood Shores, CA	- Contributing author in Imperva's Web Application Attack Report.
	- Working with Imperva's Application Defense Center (ADC), observed and categorized attacks across 30 applications, monitoring more than 10 million individual attacks
	- Used statistical tools and data mining methods to find patterns in the identified web attacks.

Professional Experience

Summer 2012	**Software Engineering Intern** – *LinkedIn*
Mountain View, CA	- Front-end web development on LinkedIn's new profile page
May 2011 – Dec 2011	**Undergraduate Student Intern** – *University of California, Berkeley EECS Department*
Berkeley, CA	- Delivered weekly discussion and lab sections educating beginning computer science students.
	- Developed new teaching material for a course undergoing significant change – in Fall 2011, the course was taught in a new programming language–python–for the first time in over twenty years.
	- Collaborated with teaching staff to create exam and homework questions, and graded exams.
Aug 2010 – May 2012	**Programming Teaching Assistant** – *University of California, Berkeley EECS Department*
Berkeley, CA	- Tutored at the self-paced center in Python, Java, C, Scheme and Unix
	- Help developed some of the quizzes and projects for the Python series

Honors and Activities

January 2012	Biannual Recipient of the SRC Undergraduate Research Scholarship
Fall 2009 – Present	Annual Recipient of the North Coast Builders Exchange Scholarship
May 2010 – Present	**Honors to Date –** Distinction in General Scholarship
January 2011 – Present	**Upsilon Pi Epsilon** – *President, Vice President, Industrial Relations Coordinator*
	- Elected to UPE CS honor society during second year for high scholastic achievement and GPA
	- Greatly improved UPE's school-wide recognition by planning successful events
	- Moved focus of UPE towards professional development
	- Lead the candidacy process in Spring 2012 resulting in an increase of membership by 100%

Technical Skills

Languages: Proficient in Python, Java, C and Lisp. Experience with Objective-C, Unix, HTML, CSS, SQL, LaTeX, Matlab.