
Education

California Polytechnic State University *San Luis Obispo, CA*

Sep. 2013 – (expected) Mar. 2017

- Pursuing **B.S. in Computer Science**, with minor in French
- Dean's List, 4 Quarters | Major GPA: 3.44
- Relevant coursework: Cryptographic Engineering, Intro to Computer Security, Bioinformatics Algorithms, Design & Analysis of Algorithms, Theory of Computation, Intro to Operating Systems, Computer Architecture, Systems Programming, Data Structures
- Clubs: White Hat (Cyber Security) Club, Free Culture Club (president & founder)

Technical Skills

Languages: *Proficient:* Java and C. *Familiar:* Python, Ruby, JavaScript, PHP, HTML/CSS
Technologies: *Familiar:* JQuery, Chef, MySQL, Selenium, Ruby on Rails, Android, and Node.js.

Professional Experience

wikiHow *Palo Alto, CA*

Jun. – Sep. 2015

Software Engineering Intern

- Implemented a touch-responsive image slider on the mobile homepage using JQuery and PHP.
- Created bots to iterate through the database and clean up WikiText using regular expressions.
- Integrated the Math extension into the site to display LaTeX math formulas in all modern browsers. Configured Chef scripts in Ruby to set up the TeX validation engine and a remote Mathoid webservice on AWS to render formulas for storage in the MySQL database.
- Fixed front- and back-end bugs in editor tools and WikiText parser.

Intel Security (McAfee) *Santa Clara, CA*

Jun. – Sep. 2014

Information Technology Intern, Consumer/Mobile/Small Business DBA team

- Collaborated with engineers and architects across many teams to create a thorough diagram of all McAfee front-end applications and their database infrastructures.
- Wrote a Python script for the Most Dangerous Celebrity project to use the Selenium WebDriver Python bindings to scrape search engines and tally malicious search results for each celebrity in a list. The results were republished in outlets such as The Huffington Post and NBC.
- Conducted a presentation for nearly 100 elementary school students on Internet safety.

Projects

Self Checkout *San Diego Hacks*

October 2015

- Produced an Android app with my team that allows customers to scan item barcodes in a store and add them to a virtual shopping cart. Upon checkout, we collect the user payment credentials through Android Pay and securely send the payment token to our stateless Node.js web server, which queries Stripe for payment processing. We used Parse to store back-end account data.

ElectoRep *RandTech Hackathon*

June 2015

- Built a Ruby on Rails web app with a group of developers that allows a user to look up their state representatives and view the representatives' voting record on any issue. The app queries the Google Civic Information API and uses the Nokogiri gem to scrape OnTheIssues.org.

Faceboxx *Santa Barbara Hacks – Finalist*

January 2015

- Constructed a Python desktop application for using Facebook Messenger as a cloud storage service. My team of developers and I created a Tkinter interface that automatically encrypts a file, splits it into 25MB chunks, and messages it to the user for future retrieval.