
Education

California Polytechnic State University *San Luis Obispo, CA*

Sep. 2013 – (expected) Jun. 2017

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

Technical Skills

Languages: Proficient in Java and C. Familiarity with Python, MySQL, JQuery, and PHP.

OSes: Administrative proficiency in Windows and Mac.
Familiarity with the Linux development environment.

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 service 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 back-end database infrastructures.
- Wrote a Python script for the Most Dangerous Celebrity project to scrape search engines and count the dangerous 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

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 representatives and view the representatives' voting history on any issue. The app queries the Google Civic Information API and uses the Nokogiri gem to scrape OnTheIssues.org.

Nirvana *LA Hacks 2015*

April 2015

- Directed a team of developers in producing a Ruby on Rails-based interface for critical components of Facebook, such as messaging and events, without distracting clutter. We used the Bootstrap framework for the front-end and the Facebook Graph API for login and accessing user data.

Faceboxx *Santa Barbara Hacks 2015 – Finalist*

January 2015

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