
Education

UC Berkeley, Electrical Engineering and Computer Science 2016-present

- 84.5 units, Junior Standing
- Relevant Coursework: Introduction to Computer Science (CS61A), Introduction to Electrical Engineering (EE16A), Linear Algebra (Math 54), College Writing (ColWrit R4B), Data Structures (CS61B), Introductory physics (Physics 7A), Designing Information Devices and Systems II (EE16B), Discrete Math and Probability (CS70 in Progress), Computer Architecture (CS61C in Progress)

El Segundo High School 2012-2016

- 9-12th GPA: 4.62
- Honors: Class Rank #1, AP Scholar with Distinction (Aug 2015), Principal's Honor Roll: 2012-2016,
- Relevant Coursework: AP Computer Science, AP Physics, AP Calculus, AP Biology, AP Statistics, AP Psychology, AP Literature, Principles of Engineering

Projects

Greet&Eat (In Progress) A web app that uses geolocation and user preferences to coordinate social meetups at restaurants. Built with HTML, CSS, Javascript, and the Google Maps API at the Fall 2016 CSUA Hackathon.

Scheme Interpreter Implemented an interpreter for the Scheme Programming Language, complete with Tail Recursion and an interactive REPL.

Work Experience

Northrop Grumman Corporation Redondo Beach, CA

Full-time Intern, Information Systems Division 2015 June 2015 - August 2015

- Developed a web application for big data visualization and analysis of Advanced Video Intelligence System

Full-time Intern, Mission Systems Division 2016 June 2016 - July 2016

- Maintained and created new features for the Transformational Staffing Tool using JavaScript, PHP, SQL, HTML

Full-time Intern, Missions Systems Division 2017 May 2017-August 2017

- Ported the Open-Skies Mapping and Planning System (OSMAPS) Java program from Windows to Linux, wrote monitoring software/hardware simulator for the system monitoring module of the OC-135, held linux workshops and mentored younger interns.

UCLA Los Angeles, CA

High School Summer Research Scholar, E.E. Dept. June 2014 - August 2014

- Performed research with graduate students to develop an Android application that collects mobile phone power usage metrics based on geolocation.

Activities

Cyber Security and Computer Science Club El Segundo High School

President and co-founder January 2014 - June 2016

- Lead workshops and classes on computer security and programming for 40 members
- Team captain of ESHS CyberPatriot Team Net Eagles (National Finalist 2014) and Zero Robotics Team Space Eagles (Virtual Champions 2016, International Finalist 2015 & National Finalist 2014).

NCWIT (National Center for Women and Information Technology) Community

Award Recipient January 2014 - June 2016

- SoCal Affiliate Winner and National Runner-Up of NCWIT Aspirations in Computing Awards (2014-2016).

Girl Scouts

Ambassador January 2006 - June 2016

- Plan youth camps and meetings, sell cookies and nuts, make educational videos, community work (beach clean ups, nursing home visits, recycling, etc.) Received bronze and silver awards.

Technical Skills

- Programming Languages: Python, SQL, JavaScript, HTML5, CSS3, PHP, Java, Lisp (Scheme), C++
- API Proficiencies: Google Maps API, JQuery, Android, Bootstrap, Bokeh graphs
- Toolchain: Linux, Windows, Eclipse (Juno), Vim, Netbeans, Github
- Misc: Window and Linux Systems Administration, Autodesk Inventor, Computer networking, Microsoft Office, Blender, sheet metal