

EDUCATION

Los Angeles, CA **University of California, Los Angeles** **Oct 2014 – Expected June 2018**

- Pursuing Bachelor's Degree in Computer Science and Engineering – Cumulative GPA: 3.97/4.00
- Relevant Coursework: Introduction to Computer Science I (C++); Introduction to Computer Science II (C++, Data Structures, Algorithms); Introduction to Computer Organization (Assembly Language)
- Honors: UCLA Achievement Scholarship, UCLA Scholarship Recognition Award, Dean's List
- Web Chair of Upsilon Pi Epsilon (Computer Science Honor Society), UCLA Engineering Mentor

Antioch, CA **Deer Valley High School** **Aug 2010 – June 2014**

- Rank: Class Valedictorian (1/650) – Cumulative GPA: 4.46/4.00
- Honors: Platinum Honor Roll Student, National AP Scholar, National Merit Scholarship Letter of Commendation, CSF Lifetime Member Highest Honors Award, School AMC10 (American Mathematics Contest 10) Winner

EMPLOYMENT

The Daily Bruin

Web Developer **Oct 2014 – Present**

- Developed webpages allowing online journalism to be more interactive and engaging (Javascript, HTML, CSS)
- Revamped The Daily Bruin website to run on Foundation framework from Bootstrap framework
- Reviewed and uploaded articles and social media posts

Qualcomm Inc.

Interim Engineering Intern **June 2015 – Sep 2015**

- Developed an Android widget that displays and logs real-time device statistics, increasing operational efficiency. To be deployed globally in Qualcomm's internal testing farms. (Android, Java)
- Developed an algorithm to effectively determine if two Android devices are in sync (performing the same task) (Java)
- Developed a faster method for extracting Android UI layout XMLs, decreasing device out of sync detection latency (UIAutomator)
- Redesigned the installer for test automation tools allowing the system to be more scalable and user friendly (JavaFX)
- Tested and debugged Qualcomm's internal Android test automation framework (Android, Java, PowerShell)

Abbott Laboratories

Software Development Intern **July 2014 – Sep 2014**

- Developed a new version of CRM iPad application for Abbott Diabetes Care sales team using Kony Solutions SDK and integrated with Salesforce.com, eliminating the need to update application code following further iOS upgrades. (JavaScript)
- Evaluated and compared different options for app development (Salesforce One, Native iPad SDK, Xamarin, and Kony) and provided a recommendation on which would be the most efficient and effective.

SW Validation Protocol Executor **June 2013 – Aug 2013**

- Developed and executed test cases that thoroughly tested CRM iPad application.
- Audited quality documents for a Salesforce based application, OneStep, while also maintaining documentation.
- Developed a script that would automate weekly backup tape expiration for the IT department, saving the department more than 20 workdays annually. (Batch Scripting Language)

PROJECTS

- **Imgurian Tweaks** (2015). Developed a Google Chrome extension to enhance/customize the UI and add features to an image sharing website, imgur.com, and established a user base of more than 2000 users in less than a month. (Javascript, HTML, CSS)
- **Hartbeat** (2014). Developed a 3D first person shooter game which incorporates a heart-rate sensor in order to change different factors of the game and provide a more immersive experience. (UnrealScript, C++, Arduino)
- **Rocket Stabilization System via Center of Mass Modulation** (2013 – 2014). Developed a system to better control and stabilize rockets by using an Arduino and an algorithm to efficiently shift mass inside the rocket. (Arduino)
- **Software Complexity Measurement** (2010 – 2011). Developed a program to parse code and determine its complexity allowing developers to ensure that their program is less complex as well as clean and efficient. (Java)

Languages and Technologies

- Proficient in: C/C++, Java, HTML, CSS, JavaScript, Arduino
- Software: Microsoft Visual Studio, Eclipse, Android Studio, Git, GDB, Unreal Development Kit, Kony Visualizer, Kony Studio, Salesforce.com Integration, Oracle VirtualBox, Adobe Photoshop

AWARDS AND HONORS

- QualStar Ruby Award for developing the UI Comparison Algorithm and Android Widget
- Certificate of Appreciation for Software Testing from Abbott Laboratories
- Software Complexity Measurement Awards: 1st Place at The Contra Costa County Science Fair, Intel Excellence in Computer Science Award, U.S. Air Force: Senior Div. Best in Math, Computer Science, Engineering, Physical Science
- Rocket Stabilization System Project: 2nd Place at The Contra Costa County Science Fair