

William J. Lee

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EDUCATION

University of California, Los Angeles – BSc. Computer Science

2016 – 2020 (Expected)

Troy High School, Fullerton, CA – Troy Tech, GPA 4.67

May 2016

Online College Courses: Algorithms: Design and Analysis Part I

Programming Mobile Apps for Android Handheld Systems Part I & II

Cryptography I

SKILLS

JAVA, C/C++, Android SDK, PHP, MySQL, Python, HTML/CSS, XML, WPILib, UNIX, Apache

EXPERIENCE

Nimrod's Wares - Programmer

Summer 2016

- Maintained and developed Python code using Jet API on UNIX/Linux Ubuntu server.
- Worked on software for processing and updating shipment orders through Jet (jet.com).

UCI Donald Bren School of ICS - Research Intern

Summer 2015

- Worked in Dr. Michael Franz's Secure Systems & Software Lab.
- Developed JAVA programs to produce master BibTeX file for computer science research papers.

Troy HS Robotics Club - Lead Programmer

Aug 2013 – May 2016

- Programmed and built robot to compete in annual FIRST Robotics Competitions.
- Utilized WPILib API to program robot mechanisms.
- Developed Arduino and Raspberry Pi software for T-Shirt shooting robot.
- Developed Troy Robotics' webpage using HTML/CSS.

Troy Central Tutoring - CS and Math Tutor

Aug 2014 – May 2016

- Provided academic support and tutoring to students for Math and CS.

PROJECTS

- Project Video Link – <https://youtu.be/YO9tmAHgskE>
- DatabaseMessaging Android app – App allows mobile devices to message each other by posting to online Apache server and MySQL database using PHP, JSON, SQL, and Android SDK.
- SnapMe Android app – Provides user interface to display pictures and notifies user to take selfies.
- MoneyTrack Android app – Keeps track of household cash & credit card spending.
- Graphing calculator – Java computer graphing calculator program. Created bisection root-finding algorithm to find graph roots.

AWARDS

- SpaceX – Selected for preliminary acceptance to SpaceX internship program Jul 2016
- Lockheed Martin Code Quest – Recognized as only contestant to solve final problem in the algorithmic programming contest (Sunnyvale, CA) Apr 2016
- Dave Wittry Programming contest – 1st Place Mar 2016
- CSULA ProgFest Programming contest – 1st Place Feb 2016
- USA Computing Olympiad (USACO) algorithmic programming contests – Gold level 2014 - 2016

OTHER INTERESTS/HOBBIES

- Classical piano (Carnegie Hall Debut 2015), Chicken Raising, Kayaking.