

# 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 – Summer Intern**

Summer 2016

- Developed and maintained online ordering and shipment processing software using Jet API (jet.com) on Ubuntu server.

**UCI Donald Bren School of ICS - Research Intern**

Summer 2015

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

**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

- Quartz & HackerRank The Next Billion Coders Challenge – Winner Oct 2016
- SpaceX – Selected for preliminary acceptance to SpaceX internship program Jul 2016
- Lockheed Martin Code Quest – Recognized as the only contestant to solve final problem in the algorithmic programming contest (Sunnyvale, CA) Apr 2016
- Dave Wittry Programming Contest – 1<sup>st</sup> Place Mar 2016
- CSULA ProgFest Programming Contest – 1<sup>st</sup> Place Feb 2016
- USA Computing Olympiad (USACO) algorithmic programming contests – Gold level 2014 - 2016

## ACTIVITIES/CLUBS

- ACM UCLA Chapter, UCLA AIAA Rocket Project, Classical Piano, Kayaking, Chicken raising.