

William J. Lee

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EDUCATION

University of California, Los Angeles – B.S. Computer Science, GPA 4.0 2016 – 2020 (Expected)

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, HTML/CSS, UNIX, PHP, MySQL, XML, Python, Apache

EXPERIENCE

UCLA Rocket Project – Electronics Manager

Fall 2016 - Present

- Developing rocket electronics design and micro-controller code.
- Managing electronics system level and sub-team schedules.

RoMeLa Robotics Lab – Undergraduate Research Assistant

Fall 2016 - Present

- Developing Python code from LabVIEW library for a climbing Hexapod robot.

Nimrod's Wares – Summer Intern

Summer 2016

- Assisted in developing 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 in Dr. Franz's Secure Systems & Software Lab.

Troy HS Robotics Club - Lead Programmer

Aug 2013 – May 2016

- Programmed robots using WPILib API to compete in FIRST Robotics Competitions.
- Developed Troy Robotics' webpage using HTML/CSS.

PROJECTS

- Project Video Link – <https://youtu.be/YO9tmAHgsKE>
- **Locare** – Android mobile app to share device locations by posting to Apache server, MySQL database with PHP through JSON, and displays map locations using Google Maps API.
- **DatabaseMessaging** – Android messaging app using PHP, JSON, and MySQL database.
- **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

- CodeSprint LA Contest - 3rd Place; Individual Award; Top Freshman Team Jan 2017
- 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 – 1st Place Mar 2016
- CSULA ProgFest Programming Contest – 1st Place Feb 2016
- USA Computing Olympiad (USACO) algorithmic programming contests – Gold level 2014 - 2016

ACTIVITIES/CLUBS

- ACM UCLA Chapter, UCLA AIAA Rocket Project, Engineering Society at UCLA.