

# William J. Lee

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## EDUCATION

**University of California, Los Angeles (UCLA)** *(Expected Jun 2020)*

- Candidate for Bachelor of Science, Computer Science - Overall GPA: 3.98

## EXPERIENCE

**UCLA Rocket Project (URP) – Programming/Electronics Lead** *(Nov 2016 – Present)*

- Developing micro-controller and launch control program for wireless ignition of rocket
- Manage project timelines, documentation, and spending budget
- Presented technical designs in design reviews

**UCLA RoMeLa Robotics Lab – Undergraduate Research Assistant** *(Dec 2016 – Present)*

- Developing Hexapod robot using LabVIEW library and Python

**Nimrod's Wares – Summer Intern – Anza, CA** *(Summer 2016)*

- Assisted in developing software for online ordering and shipment processing using Python and Jet API (Jet.com) on Ubuntu Linux platform

**UCI Donald Bren School of ICS – Summer Intern – Irvine, CA** *(Summer 2015)*

- Developed scripts in Java for parsing and formatting large BibTeX data sets to produce master file for research papers at the Secure Systems & Software Lab

**FIRST Robotics Team 3952 – Programming Lead – Fullerton, CA** *(Aug 2013 – May 2016)*

- Programmed robot controllers and drive trains using WPILib API, Arduino & Raspberry Pi
- Developed team website using HTML/CSS

## PROJECTS

**Locare: Location Sharing Application (MySQL, PHP, JSON, Android SDK)**

- Android app to share user's locations by posting to Google Cloud Platform MySQL database through PHP web service and displaying geo-positions using Google Maps API

**DatabaseMessaging (PHP, JSON, MySQL, Android SDK)**

- Android messaging app using Apache server to store messaging history in a MySQL database

**SnapMe: Selfie Reminder Application (Android SDK, Java)**

- Designed and developed camera and notification features to alert users to take selfies

**Java Graphing Calculator Applet (Java)**

- Applet for graphing 2D equations, moving graphs, and created bisection root-finding algorithm

**Project Video Link:** <https://youtu.be/YO9tmAHgsKE>

## SKILLS

- Languages: Java, C++, C, Python
- Development: Android SDK, MySQL, PHP, JavaScript, HTML/CSS, XML, Apache, Shell, Git
- OS/Platforms: UNIX/Linux, Mac OS, Windows, Raspberry Pi, Arduino

## AWARDS

- CodeSprint LA Contest - Top Freshman Team; Individual Award; 3<sup>rd</sup> Place overall *(Jan 2017)*
- Quartz & HackerRank The Next Billion Coders Challenge – Winner *(Oct 2016)*
- SpaceX – Preliminary acceptance to 2018 Internship Program *(Jul 2016)*
- CSULA ProgFest Programming Contest – 1<sup>st</sup> Place *(Feb 2016)*
- USA Computing Olympiad (USACO) – Gold *(2014 to 2016)*

## VOLUNTEERING

**UCLA ACM – Hackathon Mentor** *(Oct 2016)*

- Helped 3 teams new to Android development and Git, complete their app