

# William J. Lee

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## EDUCATION

### University of California, Los Angeles (UCLA)

(Expected Jun 2020)

- Bachelor of Science, Computer Science - Overall GPA: 4.00

## EXPERIENCE

### UCLA Rocket Project (URP) - *Programming/Electronics Lead*

(Nov 2016 – Present)

- Develop micro-controller and data graphing and parsing program for rocket data
- Manage project timelines, documentation, and spending budget

### RoMeLa Robotics Lab – UCLA - *Undergraduate Research Assistant*

(Dec 2016 – Present)

- Developing Hexapod robot mechanism using LabVIEW library and Python

### Nimrod's Wares - *Summer Intern*

(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*

(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 Team Lead*

(Aug 2013 – May 2016)

- Programmed drivetrains and robot controllers using WPILib Java API
- 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 photo functionality and notification systems to alert users to take selfies

### MoneyTrack (Android SDK, Java)

- Provided data entry functionality for tracking household cash and credit card spending

### Java Graphing Calculator Applet (Java)

- 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
- Database & Development: Android SDK, MySQL, PHP, HTML, CSS, XML, JavaScript, Apache
- Operating Systems: UNIX/Linux, Mac OS, Windows

## AWARDS

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