

# Garrett Luu

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## Education

### University of California, San Diego

BS IN COMPUTER SCIENCE, MINOR IN MATHEMATICS

La Jolla, CA

2018 – 2022

## Experience

### FIRST Robotics Competition

LEAD PROGRAMMER, PRESIDENT, DRIVER

- Developed control systems using Java
- Designed layout and wired control boards for robots
- Managed team activities using Agile Project Management

Orange, CA

August 2014 – June 2018

### StayLinked

INTERN

- Designed a web-app for customizing toolbars for company's software.
- Used HTML, CSS, with jQuery and JavaScript

Tustin, CA

August 2016

## Skills

**Programming Languages:** Java, C, HTML, CSS, Javascript, Kotlin

**Technologies/Frameworks:** Git, Linux/Unix, Vim, PID, jQuery, Node.js, Express

## Projects

### R-3

3D GRAPHER FOR THE TI-84 PLUS CE CALCULATOR

C

[github.com/garrettluu/r-cubed](https://github.com/garrettluu/r-cubed)

### Junkyard

FULLY CUSTOM 59-KEY ORTHOLINEAR KEYBOARD

C

[github.com/garrettluu/junkyard](https://github.com/garrettluu/junkyard)

### Motion Profile Generator and Follower

USED TO GENERATE SPLINES FOR ROBOTS TO FOLLOW AUTONOMOUSLY

Java, Kotlin

[github.com/garrettluu/4322Utils](https://github.com/garrettluu/4322Utils)

### Personal Website

PERSONAL WEBSITE/BLOG, FUTURE HUB FOR PROJECTS

HTML, CSS, Javascript, jQuery

[garrettluu.github.io](https://garrettluu.github.io)

### Seatz

HARD HACK 2019 PROJECT - KEEPS TRACK OF WHICH SEATS ARE OCCUPIED ON A BUS

Javascript, Express, Node.js

[github.com/garrettluu/seatz](https://github.com/garrettluu/seatz)

## Awards

March 2018 **UCSD Chancellor's Scholarship**, Awarded to high-achieving, low-income students

UC San Diego

July 2018 **FIRST Robotics Competition SpaceX Scholarship**, Awarded to FIRST alumni based on software project involvement

SpaceX

June 2018 **VPHS Mathematics Medallion Recipient**, Recognizes exceptional students in mathematics, one of four recipients

Villa Park HS

July 2018 **National AP Scholar**, Recognizes students who received average scores of 4 or higher on all AP exams taken, and scores of 4 or higher on eight or more exams

CollegeBoard