Garrett **Luu**

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Education

University of California, San Diego	*La Jolla, CA*
BS in Computer Science	*2018 – 2022*

Experience

FIRST Robotics Competition	*Orange, CA*
Lead Programmer, President, Driver	*August 2014 – June 2018*

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

StayLinked	*Tustin, CA*
Intern	*August 2016 – August 2016*

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

Skills

Programming Languages: Java, C, Python, Lua, HTML, CSS, Javascript, SQL, jQuery, Kotlin
Technologies: Git, Linux/Unix, Vim, Pytorch, PID

Projects

R-3	*C*
3D grapher for the TI-84 Plus CE calculator	*github.com/garrettluu/r-cubed*
Junkyard	*C*
Fully custom 59-key ortholinear keyboard	*github.com/garrettluu/junkyard*
Motion Profile Generator and Follower	*Java, Kotlin*
Used to generate splines for robots to follow autonomously	*github.com/garrettluu/4322Utils*
Gauss	*C*
Gaussian elimination/row reduction for the TI-84 Plus CE Calculator	*github.com/garrettluu/gauss*
Personal Website	*HTML, CSS, Javascript, jQuery*
Personal website/blog, future hub for projects	*garrettluu.github.io*
WorkFlow	*Java, Kotlin, SQL*
Android app for managing tasks	
vimDocs	*Javascript, jQuery*
Allows for the use of vim shortcuts in Google Docs	*github.com/garrettluu/vimDocs*

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*