

# Mark L. Hill

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		<b>Github</b>	<a href="https://github.com/mark64">github.com/mark64</a>

## Education

**Aug 2017 - present** Pursuing B.S. in Electrical Engineering & Computer Science - *University of California, Berkeley*  
Relevant Coursework  
2017 F - [CS61A](#) *Structure and Interpretation of Computer Programs*  
2018 S - [CS61B](#) *Data Structures*

## Projects

**Jan 2016 - July 2017** [Irvine CubeSat](#)  
*Avionics Team Leader*  
Led a team of 18 in assembling, testing, and documenting Irvine's first CubeSat: IRVINE01  
Used EagleCAD to update the design of an expansion card for connecting solar arrays and propulsion systems  
Created a Linux kernel module to control the expansion card and peripherals  
**Technologies:** Linux, C, C++, Buildroot, make, git, bash, EagleCAD  
**Github Projects:** [Peripherals Kernel Module](#), [IR01 Root System](#), [IR01 Software](#)

**June 2017 - present** Personal Autonomous Quadcopter  
Developed drone hardware and software from scratch to learn systems development and control theory  
**Technologies:** C, C++, make, kbuild, git, bash, EagleCAD  
**Github Projects:** [Drone](#)

## Employment History

**Jul 2014 - Aug 2016** Columbia Gorge Softworks  
*iOS Software Developer*  
Created mobile medical applications to aid the process of diagnosis and generating visit reports  
**Technologies:** Xcode, Swift, Objective C

## Awards

**Oct 2016** Eagle Scout Rank  
Planned, organized, and led a team of 20 in a service project to rebuild and repaint an unsafe wooden handball wall for an elementary school  
**Technologies:** 100°F heat, water, shade