

Mark L. Hill

Email	mark64@berkeley.edu	OS	Linux, FreeBSD, OpenBSD, macOS, Android, iOS
Mobile Phone	+1 (714) 788 0882	Languages	C, C++, Java, Python, Swift, Objective C, Bash, Makefile
Linkedin	Mark Hill	Tools	git, make, Xcode, vim, bash, iptables, EagleCAD, Buildroot
Github	github.com/mark64		

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*

2018 S - [EE16A](#) *Designing Information Devices and Systems I*

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