

Austin Small

(650) 288-5990
austin@small.engineering
<https://small.engineering>

Education

Boston University, Boston, MA
B.A. Computer Science, 2017

Interests

Embedded Systems
Cameras and Imaging

Microcontrollers
Sensors

Software Engineering
RF

Skills

Languages

C, C++
Python
bash

Software and Tools

git vcs
various compilers, debugging
Cmake and GNU make
Jenkins CI

Operating Systems

GNU/Linux
FreeRTOS

Experience

Focal Systems Inc., Burlingame, CA

Embedded Systems Engineer (October 2017 to Present)

- Architected and helped implement a low-power high-resolution Wi-Fi IOT camera
- Worked on firmware for IOT devices, including embeded Linux devices and microcontrollers
- Collaborated with electrical teams on the design and fabrication of custom PCBs

Pumpkin Space Systems Inc., San Francisco, CA

Remote Engineer (November 2015 to October 2017)

- Created a custom Linux build (bootloader, kernel, and rootfs) for use on satellite flight computer
- Constructed a convenient build-automation system for a custom Linux distribution (shell scripts and Jenkins)
- Managed continuous integration for company software projects using Jenkins

Pumpkin Space Systems Inc., San Francisco, CA

Intern (Summer 2015)

- Worked in an agile environment to develop telemetry software for satellites (written in C and Python)
- Customized and configured the Linux distribution running on the flight computer to better suit project needs (kernel, kernel modules, running services, userspace software)
- System administration and computer networking (router, AP, and bridge configuration)

Orbital Insight Inc., Palo Alto, CA

Intern (Summer 2014)

- Manually evaluated and processed initial data during development of company's geoanalytics pipeline
- Assessed possible new data sources for the analytics pipeline; reported to VP of business development

Boston University, Boston, MA

Resident Assistant (September 2015 to May 2017)

- Organized community events and conducted administrative tasks for 40 undergraduate residents
- Participated in an on-call rotation to assist undergraduate residents living on campus