Austin Small

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Education

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

Interests

Embedded Systems	Microcontrollers	SoCs
Cameras and Imaging	Sensors	RF

Skills

Software	**Hardware**	**Tools**
C, C++, Python	ARM MCUs (M0, M4)	Cmake and GNU make
GNU/Linux	Espressif SoCs (ESP32)	git
FreeRTOS	Various Linux SoC's	shell scripting
	PCB bringup, testing, debug	Multimeter, logic analyzer

Experience

Focal Systems Inc., Burlingame, CA
Embedded Systems Engineer (October 2017 to Present)

- Developed (from idea to prototype to product) a low-cost, low-power, high-resolution IOT camera now being deployed in retail stores nationwide.
- Collaborated with electrical teams on design, fabrication, and testing of PCBs.
- Firmware development for embeded Linux devices, microcontrollers, and SoCs.

Pumpkin Space Systems Inc., San Francisco, CA
Remote Engineer (November 2015 to October 2017)

- Created a custom Linux OS (bootloader, kernel, rootfs) for use on satellite flight computers (TI AM335x).
- Set up and managed continuous integration and build automation for company software projects.

Pumpkin Space Systems Inc., San Francisco, CA
Intern (Summer 2015)

- Worked on a team developing telemetry software for satellites (written in C and Python).
- System administration and computer networking (router, AP, and bridge configuration).

Orbital Insight Inc., Palo Alto, CA
Intern (Summer 2014)

- Data collection and analysis during initial 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