

# Austin Small

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## Education

**BOSTON UNIVERSITY**, Boston, MA  
**B.A. Computer Science**, 2017

## Professional Interests

Computer Systems  
Embedded Systems

Operating Systems  
Network Security

Software Engineering  
Functional Programming

## Computer Skills

### Languages

C  
Python  
Java  
shell scripting  
x86 assembly  
ATS2

### Software and Tools

git version control  
gcc & gdb  
make (Makefile)  
Jenkins CI  
NGINX  
MongoDB & MySQL

### Operating Systems

GNU/Linux  
Unix

## Related Experience

**PUMPKIN SPACE SYSTEMS**, San Francisco, CA

**Remote Engineer** (November 2015 to present)

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

**PUMPKIN SPACE SYSTEMS**, San Francisco, CA

**DevOps Intern** (Summer 2015)

- Worked in an agile environment to develop telemetry software for company satellites (written in C and Python)
- Customized and configured the Debian-based Linux distribution being used on the BeagleBone Black flight computer to better suit project needs (kernel, kernel modules, 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

## Additional Experience

**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

## Languages

Proficient in Spanish, conversant in Arabic