

Austin Small

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Education

BOSTON UNIVERSITY, Boston, MA
B.A. Computer Science, Expected May 2017

Related Courses

Advanced Software Systems
Computer Systems

Operating Systems
Network Security

Software Engineering
Fundamentals of Comp. Systems

Computer Skills

Languages

C
Python
Java
shell script (BASH)
Javascript
HTML & CSS

Software and Tools

git version control
gdb (GNU debugger)
KVM&QEMU (virtualization)
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)
- Created 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 help develop telemetry-gathering 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
- Helped determine availability and viability of new data sources to be used in the analytics pipeline

Other Experience

BOSTON UNIVERSITY, Boston, MA

Resident Assistant (November 2015 to present)

- Organized community events and conducted administrative tasks for 40 undergraduate residents

Natural Languages

Proficient in Spanish, conversant in Arabic