Jonathan "Sam" Stern | 703-342-7179 | sam@samstern.me | github.com/sternj | samstern.me

SKILLS: Go, Python, Bash, AWS, Linux (Deb and RHEL),
Docker, NGINX, Git, Scheme, LaTeX

EDUCATION

Brandeis University, Waltham MA
Current course of study: Computer Science, BS, 3.81 GPA   Expected May 2020
Honors:
> Dean's List: Fall '16, Spring '17, Fall '17, Spring '18, Fall '18, Spring '19

Relevant Courses: Distributed Systems   Principles of Computer System Design
                                      Operating Systems   Intro to AI
                                      Software Engineering   Programming Language Theory

EXPERIENCE

Carbon Black, Boston, MA   June – August 2019
Engineering Intern
- Write integration tests for *ThreatHunter*
- Create tool to measure integration test coverage on *ThreatHunter* APIs
- Develop tool for monitoring AWS Kinesis and sending alerts to PagerDuty

Brandeis University Computer Science Systems Operations Office   March 2018 – present
Guru
- Help maintain departmental Linux server cluster
- Provide support to students and faculty for Mac and Linux desktops and Linux servers
- Develop new account request system in Flask and Shibboleth
- Overhauled NFS home directory routing on department-owned macOS desktops

Brandeis University Department of Computer Science   Spring '18 – present
Teaching Assistant, Advanced Programming Techniques in Java (COSI 12B)
and Operating Systems (COSI 131a)
- Tutor students in advanced data structures, unit testing techniques, and code style in Java
- Hold regular office hours, grade projects and exams
- Head Teaching Assistant Spring '19

The Motley Fool, Alexandria, VA   June – August 2018
SiteOps Intern
- Move critical web applications to newer versions of Django and upgrade related dependencies
- Deployed fixed versions to virtual infrastructure with GoCD
- Deployed new versions of applications to production environment

WBRS 100.1 FM   2017 – present
Technical Director, Studio Manager 2016-present, Asst. Technical Director 2016-17
- Deploy new software solutions for automation and broadcasting, and direct acquisitions for WBRS recording studio
- Lead, train, and schedule team of engineers in WBRS recording studio

PROJECTS

AutoGrader   September 2018 – present
- Written in Ruby/Ruby On Rails/Python
- In use in Brandeis CS department since Spring 2019
- Primary contributor on major team
- Platform for uploading, testing, and distributing assignments to teaching assistants
- Isolates students' assignments by running in Docker containers

Branda   March 2018 – present
- 4500 Users
- An application for aggregating information and communicating about Brandeis University
- Develop and deploy beta and 1.0 versions with team
- Implemented reservation stack in Express and MongoDB
- Teach and train team of new developers