

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  
Operating Systems  
Software Engineering

Principles of Computer System Design  
Intro to AI  
Programming Language Theory

## 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

## 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**

January 2018 – 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