

Jonathan “Sam” Stern
203 Grove Ave, Falls Church, VA 22046 | 703-342-7179 | sam@samstern.me
github.com/sternj | samstern.me

SKILLS: Go, Python, Java, Integration Testing, HTML/CSS, Linux (Deb and RHEL),
Ruby, Docker, NGINX, Git, Scheme, Bash, LaTeX, AWS

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: Theory of Computation

Software Engineering

Data Structures

Operating Systems

Distributed Systems

Principles of Computer System Design

Intro to AI

Intro to Proofs

George Mason High School, Falls Church, VA

High School Diploma, IB Diploma, Valedictory Scholar, National Honor Society

June 2016

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

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

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 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

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

Branda

- 4000 Users
- An application for aggregating information and communicating about Brandeis University
- Implemented reservation stack in Express and MongoDB

AutoGrader

- Written in Ruby/Ruby On Rails/Python/Docker
- Platform for uploading, testing, and distributing assignments to teaching assistants
- Isolates students’ assignments by running in Docker containers