

Nathan Weinberg

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EDUCATION

Boston University, Boston, MA

May 2019

B.A. in Computer Science, Minor in Film and Television

- GPA: 3.56
- Presidential Scholarship
- Relevant Coursework: Computing Systems, Advanced Software Systems, Software Engineering, Introduction to Databases, Data Mechanics, Embedded Systems

SKILLS

- *Programming*: Python, YAML, BASH, TypeScript, Ruby, C, HTML/CSS
- *Database Management Systems*: MySQL, PostgreSQL, MongoDB
- *Tracking Systems*: Bugzilla, Jira, Trello
- *Other Technologies*: Git, Jenkins, Ansible, Docker, Podman, Jekyll, Vagrant, VirtualBox, various Linux OS flavors

EXPERIENCE

Red Hat, Westford, MA

Software Quality Engineer

July 2020 – Present

Associate Software Quality Engineer

July 2019 – July 2020

- Create and maintain jobs to test a variety of Red Hat OpenStack Platform topologies and scenarios in Jenkins CI, including integration of Red Hat Ceph Storage
- Write and maintain code for several tools used in CI pipelines such as Infrared, an Ansible wrapper used to drive OpenStack deployments, and Jordan, an Ansible-based testing suite used for Ceph integration testing in OpenStack
- Open and verify bugs/RFEs for Red Hat technologies in Bugzilla and Jira

VOLUNTEERING

TransitMatters, Boston, MA

Sept 2020 - Present

Volunteer

- Volunteer with TransitMatters Labs campaign, which seeks to give the public better access to MBTA performance data
- Built out CI and CD systems for a variety of TM Labs applications, such as the New Train Tracker and Data Dashboard

Tufts University, Medford, MA

Nov 2019 – Oct 2020

Guest Lecturer

- Gave guest lecture for Tufts University Computer Science course COMP118 - "Cloud Computing" in Fall 2020. Spoke to students about OpenStack - what it is, how it works, and where it fits in the world of cloud computing
- Gave guest lecture for Tufts University Computer Science course COMP150 - "Debugging Cloud Computing" in Fall 2019. Spoke to students about "Debugging at the Application Level" and the Quality Engineering process used at Red Hat for Red Hat OpenStack Platform, one of the the Red Hat cloud computing offering