Zachary Taira

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EXPERIENCE

Software Engineer: Systems Integration and Validation
Boston, MA
Starry
June 2019 - present

- Automated testing of Starry radio hardware and customer-premises equipment using Python
- Wrote Ansible modules and playbooks to facilitate management of SIV testing network and Starry manufacturing line
- Managed code deployments and hardware provisioning for 250+ hosts among dozens of testbeds

Software Engineer Co-op
Boston, MA
IBM Resilient
Jan - July 2017

- Wrote and tested a test harness to verify IBM Resilient's command-line output
- Storyboarded, wrote, and tested a prototype Chrome extension for highlighting Indicators of Compromise in IBM Resilient Incident Response Platform
- Migrated production front-end code from CoffeeScript to TypeScript while ensuring no regression bugs were introduced

Undergraduate Research Assistant
Boston, MA
SMILE Labs, Northeastern University
Jan 2015 - Jan 2016

- Helped build the largest public kinship image dataset to date (Families in the Wild), consisting of over 13,000 family photos and 1,000 unique family trees
- Delegated tasks to fellow students to ensure image collection standards and deadlines were met
- Composed Python scripts to compile dataset statistics in order to provide up-to-date progress reports

Orientation Leader
Boston, MA
Northeastern University
May - Sept 2015

- Led icebreakers and teambuilding activities for thousands of incoming students and university guests
- Facilitated conversations about transition issues while maintaining an inclusive, supportive atmosphere
- Managed setup, preparation, and teardown-related duties to ensure logistical aspects of orientation ran smoothly

PROJECTS

ztaira.com: A linux machine on DigitalOcean for hosting static sites and various services

jsonbin: A small project to bridge the gap between file logging and logging to a dedicated db

dotfiles: Various configuration files to enable easy workstation setup

SOFTWARE SKILLS

Languages: Python, Rust, bash, HTML/CSS/JS

Technologies: Ansible, make, poetry, tox, Linux, pipenv, virtualenv

EDUCATION

Northeastern University
Boston, MA
BS/MS in Electrical and Computer Engineering
May 2019
Honors: Eta Kappa Nu, Dean's List
GPA: 3.689