

# Zachary Taira

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## EXPERIENCE

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### Software Engineer: Technical Infrastructure

*Saildrone*

Boston, MA

*Sept 2021 - present*

- Brought automated test station management to the manufacturing line
- Oversaw build system migration from legacy Bazel to modern Python, reducing incremental build times from 5+ minutes to 4s (98%)
- Set up, configured, and wrote prototype tests for Saildrone's low-volume, high-mix prototype/production manufacturing environments

### Software Engineer: Systems Integration and Validation

*Starry*

Boston, MA

*June 2019 - Sept 2021*

- 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

*IBM Resilient*

Boston, MA

*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 easily uploading Indicators of Compromise to the IBM Resilient Incident Response Platform
- Migrated production front-end code from CoffeeScript to TypeScript

### Undergraduate Research Assistant

*SMILE Labs, Northeastern University*

Boston, MA

*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

### Orientation Leader

*Northeastern University*

Boston, MA

*May - Sept 2015*

- Led icebreakers and teambuilding activities for incoming students and university guests
- Facilitated informative and encouraging conversations about college transition issues
- Managed setup, preparation, and teardown-related duties to ensure orientation logistics ran smoothly

## SOFTWARE SKILLS

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

**Technologies:** Ansible, make, poetry, tox, Linux, pipenv, virtualenv, CircleCI, Bazel

## EDUCATION

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### Northeastern University

*BS/MS in Electrical and Computer Engineering*

*Honors: Eta Kappa Nu, Dean's List*

Boston, MA

*May 2019*

*GPA: 3.689*

## RECREATIONAL ACTIVITIES

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**Interpersonal:** Brazilian jiu-jitsu/judo/wrestling, hiking, large-scale cooking

**Solo:** Modifying vim configs, talking with LLMs, ranting about Python packaging