

Talia Ben-Naim

taliaben-naim2025@u.northwestern.edu | (505) 672-1075

EDUCATION

Northwestern University, Evanston, IL June 2025 (anticipated)
Robert R. McCormick School of Engineering and Applied Science; GPA: 3.89/4.00
Bachelor of Science in Computer Science
Master of Science in Computer Engineering

SKILLS

- Proficient in Python, Bash, Git, Arduino, SQL, MATLAB, R, Assembly, C, C++, and HTML
- Beginner knowledge of Linux, Verilog, VHDL, FPGA, JavaScript, Docker, and AWS

WORK EXPERIENCE

HP Inc., Vancouver, WA June 2024 – Sept. 2024
Firmware Engineering Intern

- Created a python tool to notify developers on Microsoft Teams when firmware builds finish
- Wrote firmware functional tests for three image processing hardware blocks in an ASIC for printers
- Presented work in variety of settings, including a poster fair and meetings with managers and engineers

Keysight Technologies, Colorado Springs, CO June 2023 – Aug. 2023
Software Engineering Intern

- Collaborated on an Agile team to design a full-stack web app from scratch with Django, NextJS, Docker, relational databases, and more, enabling managers to track and update sales employees' quotas
- Designed and tested REST API leveraging Django Rest Framework and assisted with other backend tickets
- Helped research and build foundations of a machine learning recommendation engine for eCommerce site

Oak Ridge National Laboratory, Oak Ridge, TN June 2022 – Aug. 2022
Omni Technology Alliance Intern

- Researched feature engineering to increase accuracy and efficiency of a convolutional graph neural network used to identify candidate materials for capturing CO₂ gas
- Applied hyperparameter tuning to improve machine learning model accuracy by 38%

Los Alamos National Laboratory, Los Alamos, NM Oct. 2019 - Sept. 2021
Student Intern

- Designed and documented a workflow to manage and analyze materials test data within an Ansys database
- Wrote python scripts to format and analyze data and developed other software tools to automate workflow
- Increased data-uploading efficiency by 90% and expanded database usage within team by over 400%
- Mentored a high school student to continue data management and trained 4 coworkers to use workflow

ACTIVITIES

Engineers for a Sustainable World Northwestern University, Evanston, IL Sept. 2022 – Present
Team member

- Partnered with club members to develop a website with React and Firebase to allow for remote control and observation of an aquaponics system
- Implemented live video streaming through an esp32 camera and a raspberry pi

Northwestern University Murphy Scholars, Evanston, IL Sept. 2021 – Present
Social Chair

- Organized annual social events for 65 program participants
- Engaged with Northwestern University community researchers weekly

Cherry Bombs Junior Roller Derby, Los Alamos, NM June. 2014 – Sept. 2021
Team Captain; Coach

- Spearheaded team communication inside and outside of gameplay
- Coached 25 skaters ages 8-17 and led drills