

Talia Ben-Naim

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EDUCATION

Northwestern University, Evanston, IL June 2025 (anticipated)
Robert R. McCormick School of Engineering and Applied Science; GPA: 3.88/4.00
Bachelor of Science in Computer Science/Masters of Science in Computer Engineering

SKILLS

- Proficient in Python, Pytorch, Django, Git, SQL, MATLAB, R, C, C++, HTML, JavaScript, and React
- Beginner knowledge of Verilog, NextJS, Artifactory, Jenkins, Docker, and AWS

WORK EXPERIENCE

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

- Collaborated within an Agile team to build a full-stack application from scratch using Django, NextJS, Docker, and other full-stack technologies to enable managers to track and update quotas for sales employees
- Designed and tested REST API using Django Rest Framework and assisted with other backend tickets
- Helped research and build foundations of a recommendation engine for eCommerce website

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%
- Presented a poster at a Student Symposium to a large audience of managers, researchers, and students

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%ve 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

PROJECTS

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

- Partnered with club members to develop a website using React and Firebase to allow for remote control and observation of an aquaponics system
- Created log-in page and implemented Google Analytics monitoring

Design Thinking and Communication Course, Evanston, IL Mar. 2022 – June 2022
Team member; Client: Shirley Ryan AbilityLab

- Collaborated with team of 4 students to design and prototype a protective cover for a prosthetic hip joint
- Led team in managing project timeline and consulted with client and user to solicit feedback

ACTIVITIES

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