

# Talia Ben-Naim

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## EDUCATION

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**Northwestern University**, Evanston, IL June 2025 (anticipated)  
Robert R. McCormick School of Engineering and Applied Science; GPA: 3.87/4.00  
*Bachelor of Science in Computer Science/Master of Science in Computer Engineering*

## SKILLS

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- Proficient in Python, Django, Git, SQL, MATLAB, R, C, C++, Assembly, HTML, and React
- Beginner knowledge of Shell Scripting, Verilog, VHDL, FPGA, CSS, Docker, and AWS

## WORK EXPERIENCE

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

- Collaborated on an Agile team to design and develop 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 using 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 CO<sub>2</sub> 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% 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

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**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

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**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