# 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/Master of Science in Computer Engineering*

## SKILLS

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

## WORK EXPERIENCE

**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 $CO_2$ 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

**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