

EMMA WATERS

East Providence, RI | (401) 602-1690 | emma.likes.math@gmail.com

EDUCATION

Bard College at Simon's Rock, Great Barrington, MA

Concentration: Mathematics

Graduated May 2023

WORK EXPERIENCE

Live Nation - Xfinity Center

Sustainability Coordinator

Mansfield, MA

June–August 2024

- As designated Tallier, was responsible for ensuring accurate counts of waste units were tracked
- Completed varied and physically demanding tasks to help the Xfinity Center achieve its Zero Waste goals for the season
- Prioritized focus between many competing requirements as a member of a small team

Boys & Girls Club of Pawtucket - Camp Ramsbottom

Summer Camp Counselor - Model Rocketry

Rehoboth, MA

June–August 2024

Providence Schools

Substitute Teacher

Providence, RI

March 2024–June 2024

nTopology

Software Engineer

Remote

June 2023–February 2024

- Developed a new implicit modeling kernel to replace the core technology of the company's product
- Smashed bugs quickly and effectively, according to user requirements
- Utilized the company's testing infrastructure to maintain a high level of precision and reliability
- Collaborated in a team of developers, designers, and product managers to ensure my daily work aligned with greater company goals

Read 718

Reading Tutor

Brooklyn, NYC

Summer 2023

The Prairie Whale

Waitress/Host

Great Barrington, MA

Fall 2022–Spring 2023

nTopology

Software Engineering Intern

Remote

Dec 2021–June 2022

- Improved internal testing frameworks using Python and C++

- Developed and implemented an original algorithm for exporting complex 3-d parts
- Worked closely with a small team to troubleshoot and fix External-Integrations specific problems

Greystone Cafe Boston, MA
Front of House/Barista Fall 2021

Oregon State University Corvallis, OR
Undergrad Robotics Researcher Summer 2021

- Developed a precise model of a prototype soft snake robot providing new intuition about its motion
- Contributed to a paper submitted to ICRA 2022
- Suggested design changes improving the prototype’s ability to achieve desired movements

Bard College at Simon’s Rock & Private Great Barrington MA & Cumberland, RI
Tutor 2019-2023

Kilpatrick Athletic Center Great Barrington, MA
Lifeguard April 2019–May 2021

Johnson Controls Cranston, RI
Innovations Intern Summer 2019

- Organized and prepared materials to be sent to major customers and approval agencies
- Worked with internal and external manufacturers to update obsolete parts for various electrical products, and updated manufacturing packages accordingly
- Conducted component validation testing based on UL electrical fire detection standards
- Created and simulated multiple algorithms for a custom application deal worth over \$5 million
- Designed and built a new UL-compliant PID controller for sprinkler testing which would have otherwise cost the company \$17,000 and repaired an additional controller of the same value

ADDITIONAL EXPERIENCE

- **Upper College Student Representative to the Board of Overseers**
Bard College at Simon’s Rock 2022-2023
- **Director of the “Surviving Llama Island” initiative** to provide students in-person, safe activities during the pandemic - *Bard College at Simon’s Rock 2020-2021*
- **Ultra-fast Grocery Delivery Biker - Getir, Boston Spring 2022**
 Deserves a shoutout for being a super fun job. Also, I was regularly the most efficient biker. We kept track.