

# Anna Ablove

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## EDUCATION

- University of Michigan** Computer Science M.S.E. | GPA 4.0 AUGUST 2022 - PRESENT
- Advanced Cryptography, Math of Machine Learning
- University of Michigan** Computer Science B.S.E. | GPA 3.7 AUGUST 2019 - MAY 2022
- Magna Cum Laude with Honors, Minor in Physics
  - Relevant Coursework: Data Structures and Algorithms, Web Systems, Intro to Natural Language Processing

## RESEARCH EXPERIENCE

- Censored Planet Research Assistant** JANUARY 2022 - PRESENT
- Working on problems in the internet freedom, anti-censorship space.
  - Leading the VPNalyzer project to empower VPN users and deepen overall understanding of the VPN ecosystem, especially with regard to localized censorship circumnavigation.
- Election Security Research Intern** MAY 2021 - SEPTEMBER 2021
- Developing knowledge of cybersecurity threats through the study of election policy and technology.
  - Compiling an evidence based review centering around the relationship between secure election systems and voter confidence.
- Explore Computer Science Research Program by Google** JANUARY 2021 - APRIL 2021
- Exploring the use of lexical networks and Named Entity Recognition to summarize news articles.
  - Working on a project focusing on analyzing article neutrality in news reporting over time.
- Center for Laser Experimental Astrophysical Research Intern** FALL 2019 - SPRING 2020
- Running simulations to analyze the motion of radiative shocks in order to get a better understanding of the optimal parameters for future physical experimentation.

## EMPLOYMENT

- Inspirit AI Instructor** SUMMER 2021, 2022 ANN ARBOR, MI
- Taught middle school students to program AI in Python and RunDexter, apply algorithms to real-world datasets, discuss AI ethics and applications, and build interactive web apps to deploy their machine learning models.
- Physics 140 Proctor** WINTER 2020, ANN ARBOR, MI
- Monitored and clarified questions for Physics 140 students on biweekly quizzes.
- MRADS/WISE RP Study Group Leader** FALL 2020, ANN ARBOR, MI
- Taught Algebra and Calculus I coursework once a week to first year engineering students.
- Peer Tutor** MARCH 2017 - JUNE 2019, CLARENCE, NY

## LEADERSHIP EXPERIENCE

- Michigan Men's Rowing Team / Coxswain** SEPTEMBER 2019 - MAY 2021, ANN ARBOR, MI
- Improving leadership skills and strengthening ability to perform in stressful situations.

## ACCOMPLISHMENTS / AWARDS

- Engineering Honors Program MAY 2020 - MAY 2022
- ArtsEngine Microgrant Recipient FALL 2019
- Women in Science and Engineering Residence Program AUGUST 2019 - MAY 2020

## SKILLS

- Proficient in: Python, C++, MATLAB, C#, Unity, HTML/CSS, React.js, Vue.js, Bootstrap, JavaScript, Autodesk Inventor, Gephi
- Experience in: Go, Blender, WeVideo, R