Anna Ablove

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EDUCATION

University of Michigan Computer Science M.S.E.   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