Eva Muller

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EDUCATION

Michigan Technological University | Houghton, MI
BS Computer Science **Expected Graduation April 2023**
Minor in Mathematical Sciences
GPA: 3.87

WORK EXPERIENCE

MTU Humane Interface Design Enterprise | Houghton, MI
Web Developer / Vice President Jan 2021 – Present

- Assisted with maintenance and design of HIDE website and HuskyHunt (for MTU faculty/students to sell items and rideshare) in HTML, CSS, React, and GitHub
- Team Lead for Voting Booth web application (used by student government to survey the student population) using HTML, CSS, JS, SQL, and RFID reader technologies
- Team Lead for GDLS project, designing applications to build data sets used for training, validating and testing convolutional neural networks for combat material classification, using Python, Selenium WebDriver, PIL, and YOLO

Michigan Technological University | Houghton, MI
Undergraduate Research Assistant September 2020 – Present

- Develop and maintain research faculty websites and implement data download functionalities using HTML, PHP, JS, Blob Storage, Google Analytics and Git Pages

3M - Corporate Research and Systems Lab (CRSL) | St.Paul, MN
Data Science Intern May 2022 – Aug 2022

- Developed an interactive dashboard for Automated Design with EM applications results using Plotly Dash, Databricks, SQL, and AWS Services

MTU Aerospace Enterprise | Houghton, MI
Software Engineer Jan 2021 – Jan 2022

- Developed software for COM subsystem of CubeSat Auris using C, Ubuntu, GitLab, and FreeRTOS
- Funded by the Air Force Research Laboratory's University Nanosatellite Program, Auris will be designed to monitor and attribute telecommunications signals that may interfere with a congested space environment

Michigan Tech Research Institute | Ann Arbor, MI
Research Intern (Computation and Information Sciences Groups) May 2021 – Sep 2021

- ACM CAEV Validation: Collected and analyzed data from testing connected, electric, and autonomous vehicles designed to maximize fuel efficiency (in cooperation with DOE, ORNL, ANL, and APS Labs)
- FOIL: Designed and programed software modules and learning algorithms for UAVs to learn about unknown radar systems, update their world-view knowledge graph, and make decisions based on their knowledge of encountered waveforms (in cooperation with AFRL)
- Autoware IR&D: Researched full-stack autonomy frameworks to explore the capabilities and limitations of the software when implementing with the ACM CAEV Validation project

TECHNICAL SKILLS

- Python, C, Java
- React, HTML, JS, CSS, PHP
- ROS, Autoware.AI, SVL, NX
- GitHub, GitLab, Docker
- MATLAB, Mathematica
- SQL, Neo4j, Cypher
- Adobe Ps, Pr, Lr, Ae, Au
- MS Office, PowerPoint, Excel
- Linux, Windows environments