

Mason Lee

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EDUCATION

Michigan State University, College of Engineering, East Lansing, MI

Bachelor of Science, Computational Data Science

April 2026

- GPA 3.75/4.0, Deans List Fall 2023, Spring 2024
- Honors College Member
- Relevant Completed Classwork: CMSE 201, CMSE 202, MTH 234, MTH 235, EGR 100, STT 180

New Albany High School, New Albany, OH

High School Diploma

August 2019 - May 2023

EXPERIENCE

MSU Undergraduate Research, Lansing, MI

Student Researcher

June 2024 - Present

- Self-led a project based on Nonparametric inference of interaction laws in systems of agents from trajectory data
- Coded 4 particle simulations for various scientific scenarios using a interaction kernel, learning matrix, and a least squares model to infer said interaction kernel based on generated trajectory data
- Worked directly with MSU staff to improve my model and learn how to interpret computational scientific papers and algorithms to correctly implement machine learning concepts

MSU DSS Tech Team, East Lansing, MI

Student Info Tech

September 2023 - Present

- Maintaining IT systems across campus through a variety of software and hardware troubleshooting techniques to improve productivity for staff and problem solving any issue that arise
- Handling tickets from Student Life & Engagement staff using clear communication over TeamDynamix, Outlook, Teams, and phone calls to inform and assist staff on technical issues
- Independently organizing and carrying out regular maintenance projects to ensure up-to-date technology is being used by staff throughout campus to maintain effectiveness including the replacement of 2 generations of systems

INVOLVEMENT

MSU SASE, East Lansing, MI

Event Coordinator

January 2024 - Present

- Dedicated member to the Michigan State University chapter of the Society of Asian Scientists and Engineers
- Led event coordination for the chapter by utilizing communication and organization skills to contact and work with various groups across campus to set up and execute useful and entertaining events
- Directed student recruitment including the collection of 80+ emails during the first event
- Oversaw 4 events that increased in average attendance by over 50%

MSU Unmanned Systems, East Lansing, MI

Computer Science Team Member

January 2024 – April 2024

- Dedicated member to the Michigan State University Unmanned Systems team that competes in the Student Unmanned Aerial Systems competition
- Spearheaded development of a target acquisition software utilizing a YoloV8 powered AI detection model trained on target images to allow the drone to position itself above a target for payload release
- Utilized PyTorch and GPU computing to train the detection model over 200+ eons to increase detection accuracy
- Assisted in work on model integration with the autonomous drone flight program to enable totally autonomous target identification, positioning, and payload release

SKILLS

Languages: Python (Proficient), R (Basic), Java (Basic), C++ (Basic)

Software Proficiency: Google Suite, Microsoft Office, Jupyter Notebook, RStudio, Visual Studio Code