

Jade Friedlis

friedlis@umich.edu | (517)775-3660
[linkedin.com/in/jade-friedlis](https://www.linkedin.com/in/jade-friedlis)

Education

University of Michigan

Ann Arbor, MI

Bachelor of Science in Engineering, Mechanical Engineering

2026

- **GPA: 3.91/4.0**
- **Honors/Awards:** Class of 1931E Scholar, University Honors, Dean's List
- **Minors and Concentrations:** Minors in French, Music, and Art and Design; Concentration in Robotics
- **Coursework:** Dynamics and Vibrations, Statics and Mechanics, and Thermodynamics

Work Experience

Eaton County Road Commission

Eaton County, MI

Engineering Intern

May 2023 -

August 2023

- Inspected ongoing construction such as asphalt overlay, crush and shape, and re-gravel projects to ensure work was done according to specifications
- Used surveying equipment to obtain precise measurements and location data to be used in design
- Worked with CAD software (MicroStation) to design aspects of roads
- Wrote daily reports and summaries and cost estimates and communicated with other engineers, contractors, and crew

University of Michigan Physics Department

Ann Arbor, MI

Learning Assistant for Physics 240x - Electricity and Magnetism

August 2023 -

Present

- Assist students with questions during class
- Lead office hours and study groups to assist students outside of class
- Grade assignments and help write homework problems

Women In Science And Engineering Residence Program

Ann Arbor, MI

Recruitment Team Member

December 2022 -

April 2023

- Talked with prospective students and parents to promote the program
- Gave informational presentations and answered all questions

Project Experience

Engineering 100 - Autonomous Vehicles

Fall 2022

- Worked with drones, optimized flight and controls
- Built courses in Unity and used Python to program a virtual drone to autonomously traverse the courses for a specific goal

Additional

- Michigan Marching Band Trumpet Player - 10 to 20 hours per week
- Entry-level experience with CAD, MatLab, C++, and Python
- Employed with MCatering as a server from December 2022 to present
- Extracurriculars include the UM Theme Park Engineering Group, UM Electric Boat Team, Society of Women Engineers, other non-major music ensembles, Kappa Kappa Psi, the Vietnamese Student Association, and MRover
- Interest in robotics, mechatronics, renewable energy, and sustainability