

## Alyssa Cheslek

3176 Pickford Drive SE | Ada, MI 49301

U.S. Citizen | (317)-448-3973 | acheslek@umich.edu | linkedin.com/in/alyssa-cheslek

### EDUCATION

#### University of Michigan

Ann Arbor, MI

*Bachelor of Science in Engineering in Aerospace*

*Expected Graduation: May 2026*

- GPA: 3.914/4.0
- Intended Minors: Electrical Engineering, Business
- Scholarships/Awards: William J. Branstrom Freshman Prize, Regents Merit Scholarship, MWEA Craig Kelman and Associates Scholarship
- Relevant Coursework: Aerospace Mechanics and Structures, Circuits

### RELEVANT EXPERIENCE

#### M-Fly

Ann Arbor, MI

*Autonomous Hardware Lead*

*June 2023 - Present*

- Design onboard systems that allow the team's plane to complete Student Unmanned Aerial System (SUAS) competition mission objectives, including autonomous flight, image capturing, and payload release.
- Research developments for current hardware systems.
- Facilitate members' understanding of hardware within the plane.
- Collaborate with other leads on subjects such as fuselage design, firmware issues, and budgeting.
- Direct and plan meetings for hardware team members.

*Autonomous Hardware Team Member*

*Jan 2023 - May 2023*

- Assembled electrical systems through wiring and soldering.
- Investigated issues encountered with hardware and firmware.

#### Jedco

Grand Rapids, MI

*Engineering Intern*

*May 2023 - August 2023*

- Developed and modified processes for creating parts for various aerospace companies.
- Coordinated with operators and engineers on creating processes for fixing parts.
- Designed operation sketches for part assembly using AutoCAD.
- Corresponded with customers on development of new programs and blueprint requirements.

#### The Cheese Lady - Grand Rapids

Grand Rapids, MI

*Cheesemonger*

*May 2020 - May 2023*

- Assisted customers in a direct fashion with selection from over 200 specialty cheeses.
- Represented the company at multiple farmers markets throughout West Michigan.

#### Forest Hills Central High School

Grand Rapids, MI

*Mathematics and Science Tutor*

*Feb 2021 - April 2022*

- Aided students in the understanding of mathematics and science subjects including Calculus, Precalculus, Algebra I and II, Chemistry, Biology, and Physics.
- Created study plans and worksheets for tutees to prepare for upcoming exams.

#### Kids' Food Basket

Grand Rapids, MI

*Volunteer*

*Feb 2021 - April 2022*

- Prepared sack lunches for impoverished children in West Michigan.

### EXTRACURRICULARS

**Tau Beta Pi Engineering Honors Society**

*Aug 2023 - Present*

**American Institute of Aeronautics and Astronautics**

*Aug 2023 - Present*

**Society of Women Engineers**

*Aug 2023 - Present*

**Women in Aeronautics and Astronautics**

*Jan 2023 - Present*

**University Band**

*Aug 2022 - May 2023*

### SKILLS

**Programming Languages:** Java, Matlab

**Software/Technical Skills:** CAD, Systems Tool Kit, VISUAL Manufacturing, QGroundControl, Soldering