

Alyssa Budweg

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Education

University of Michigan College of Engineering, Ann Arbor, MI **Graduation Expected 2026**
Bachelor of Science in Biomedical Engineering

- 4.0/4.0 GPA; Statistics Minor (Prospective); 72 Credits Completed
- Engineering Honors Program; '31E Scholar; Dean's List; University Honors

Research & Work Experience

Multidisciplinary Design Program Research, University of Michigan **January 2023 - Present**
Adaptive Design for Safety Equity Upper Extremities Sub-Team Lead

- Developing parametric human body models allowing for personalized safety equipment
- Research Fellowship Team Lead (Summer '23): 30 hrs/wk & professional development seminars

The M Den **May 2023 - Present**
Sales Associate

- Utilize communication to address customer needs, recommend items, & improve customer satisfaction

ATC Drivetrain LLC, Farmington Hills, MI **June 2021 - September 2021**
Business Development Intern

- Implemented & analyzed new data visualizations with Excel for Ford production to increase efficiency

Leadership, Community Service, & Membership

Cost Assistance for Resilient Engineers (CARE), University of Michigan **2023 - Present**
Diversity, Equity, & Inclusion (DEI) Chair

- Collaborate with CARE Board to embed DEI within CARE & maintain the CARE mission statement

Society of Women Engineers, University of Michigan **2022 - Present**

Rhythm Tap Ensemble, University of Michigan **2022 - Present**

Girl Scouts of America (Gold Award), Northville, MI **2009 - 2022**

- Founded/managed a Teen Celiac Disease Support Group helping teens with Celiac to network
- Led Gleaners Food Bank GF food drive supporting underprivileged people with Celiac in Detroit
- Developed and introduced Bills (6446 & 6447) with Michigan State Representative Koleszar to Michigan State House in November 2020 to improve GF food safety at Michigan restaurants

Robostangs Team 548 FRC (FIRST Robotics Competition), Northville, MI **2018 - 2022**
Design Lead (2020 - 2022)

- Managed/trained design team to conceptualize and CAD team robot
- Mentored new member robot build team ('19-'20) to train new team members
- Volunteered 35-45 service hrs/yr teaching robotics to 501(c)3 organizations

National Honor Society, Northville, MI **2020 - 2022**
Co-President (2021 - 2022)

- Partnered with local 501(c)3 organizations to host & support fundraisers

Skills

- CAD - Solidworks, Autodesk Inventor
- MATLAB, C++, R Studio, & Python
- MS Power BI, PowerPoint, Word, Excel
- Intermediate German Proficiency