

SUMMARY

Third year Mechanical Engineering student with experience in design and prototyping. Sub-Team Lead in MINE Enterprise. Skills in CAD and data analysis.

EDUCATION

Michigan Technological University | Houghton, MI

BS Mechanical Engineering | Aerospace Concentration | Mathematics Minor
GPA: 3.61 | Department GPA: 3.43

Expected May 2025

PROJECT EXPERIENCE

Multiplanetary INnovation Enterprise

Project: Participated in the annual NASA Lunabotics competition. Tasked with building a robot to operate in simulated lunar conditions

- Designed and modeled various parts of the robot using Solidworks software
- Simulated operation conditions on part models to verify feasibility
- Machined and assembled the final robot design
- Wrote technical documentation regarding the design process

COMPUTER and TECHNICAL SKILLS

- MATLAB
- Solidworks
- AMESim
- CNC Lathe/Mill Operation
- Microsoft Office / Excel
- Java
- Powder Metallurgy
- NX / Simcenter
- Technical Drawing/Communication

Leadership

Mechanical Sub-Team Lead, Lunabotics, Multiplanetary INnovation Enterprise

Sept 2023 - Present

- Led a team of four in the design of robot subsystems
- Communicated with other sub-team and system leads to design and assemble the entire robot

CO-CURRICULAR INVOLVEMENT

Multiplanetary INnovation Enterprise

Aug 2023 – Present

Student Newspaper Writer

Aug 2023 – Present

MTU Fencing Club

Sep 2021 – Present

Gamers Anonymous

Aug 2022 – Present

WORK HISTORY

Walls Worker, Miedema Concrete Construction, Grand Rapids, MI

May – Aug 2023

Valet Driver, Midwest Parking, Grand Rapids, MI

May – Aug 2022

Grocery Dept., Meijer Inc., Grand Rapids, MI

May – Aug 2021

Team Member, CoreLife Eatery, Grand Rapids, MI

Jul – Dec 2020

Jobsite Assistant, Prins Brothers Masonry, Grand Rapids, MI

May – Aug 2019

INTERESTS

Writing | Skiing | Backpacking | Board/Video Games | Astronomy