

Tanner McLean

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WORK EXPERIENCE

Michigan Tech MINE Lunabotics Enterprise // Michigan Tech

Spring 2023 Semester

- Designed main excavation system
- Nominated for Lead systems Engineer
- Trained on mill, drill press, and various sanders
- Working on team with 30+ members, collaborating on one robot

State Department of Natural Resources Park Employee // KJC Traverse

City State Park, Traverse City

June/2022 - August/2022, May/2023 - August/2023

- Park management and customer service
- Use of power tools, as well as heavy equipment such as small tractors, pickup trucks, and light front end loader tractors
- Extensive use and training in Point of Sale systems and cash handling
- Resource management and logistics

Product Assembly and Testing Technician // Promethient, Traverse City

December/2020 - July/2021

- Involved in production and quality control in all aspects of Promethient's production line
- Identified possible ways to reduce production costs, as well as started a recycling program for copper and silver wire scrap from production
- Trained in testing and equipment maintenance procedures
- Experience with incoming and outgoing shipping procedures, as well as product/inventory management

EDUCATION

Michigan Technological University, Houghton

GPA: 3.58 Cumulative

Expected Graduation: December 2024

Northwest Michigan College, Traverse City, MI

GPA: 3.78

2022 Graduate w/Honors with an

Associates of Science Engineering Degree

Elk Rapids High School, Elk Rapids MI

GPA: 3.87

2020 Graduate w/Honors; Dual Enrolled 2018-2020

In top 12 Academic All Stars Program

TECHNOLOGICAL EXPERIENCE

- Skilled in 3D Printing, I own and use a 3D printer to design and produce various projects.
- Proficient in FEA analysis
- Skilled in using different types of measurement tools and devices, calipers, micrometers, metrology
- Understanding in Pneumatics systems and design
- Knowledge of Robotics systems and basic electronics

SUMMARY/OBJECTIVE

To obtain a summer internship ('23 and '24) utilizing my technical work experience. My experience includes the use and maintenance of assembly line-style machinery, producing and testing products throughout the production of a single unit. In addition, worked on a team to design, collaborate, develop, test, and produce a technical final project to achieve a specified goal. I am looking to obtain a position on a team and further my involvement in the technology production and development field.

Career/Education Goal: Bachelors in Mechanical Engineering with an Aerospace Minor and Robotics Interest.

SKILLS

- Experience in Solidworks, Fusion360, NX, Hyperworks
- Team captain on High School FRC Team, lead pneumatics, build, and design teams for 4 years.
- Proficiency with Measurement Devices; Calipers, General Metrology, Micrometers, Microscopes
- Equipment Repair and Maintenance
- Customer Assistance
- Training in Assembly and Product Testing
- Experience in FEA analysis and data collection/processing
- MATLAB Exposure