

Jack Lillie

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Summary:

Fourth year Mechanical Engineering Technology student with 1 year of co-op/internship and 1.5 year MINE Enterprise experience. Excellent skills in new CAD programs, Standard Designs, and Lean manufacturing.

Education:

Michigan Technological University Houghton, MI

Mechanical Engineering Technology, Bachelor of Science Degree Graduation in December 2021

- GPA 3.5 : Department GPA 3.5

Northcentral Technical College Wausau, WI

Auto CAD Technician, Technical Degree Graduated in May 2019

Mechanical Design Engineering Technology, Associate of Science Degree

- GPA 3.5

Computer & Technical Skills:

- NX • CNC Lathe/Mille Operation • Rapid Prototyping (Cura)
- Solidworks • AutoCAD • Inventor
- Excel • Creo • GD&T

Co-op Experience:

Systems Control, Iron Mountain, MI

Mechanical Engineering CO-OP July-December 2020

Project: Designed and Revised 12 Standard Drawings used by drafting and manufacturing as a baseline for building layouts

- Analyzed feedback and revisions from ME team, Drafting team, and Manufacturing.
- Using Creo to design and illustrate methods of building certain areas of the building
- collaborated with manufactures on the floor and Drafting to be easy to understand and be within company standards.

Project Experience:

Project: Designed and produced a lunar rover used to dig, gather and transport lunar rock (Team of 20+).

- Used decision making techniques to identify challenges to overcome and come up with solutions.
- Worked with smaller groups to create design solutions to be compared with others,
- Researched Drivetrain methods and forces applied to each
- Modeled out prototype rover in NX, designed chassis and drivetrain of rover
- Lead chassis team in design and manufacturing meetings

Work History:

Wausau Supply Company, Schofield, WI 54402 May 2021 - August 2021(40 hours per week)

- Researched and designed outside corners for company

Northcentral Technical College STEM Center October 2018 - June 2019 (10 hours per week)

- Worked with kids K12 in learning about STEM

V&J Estate Sales Cashier, Wausau, WI 54403 June 2013 - August 2019 (18-40 hours per week)

- Family owned business, Handled customer transactions

References: Available upon request