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**SUMMARY** | Obtain **full-time** job in **February 2022** in **manufacturing engineering** or an **engineering rotational program**

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**EDUCATION** | **MICHIGAN TECHNOLOGICAL UNIVERSITY** **HOUGHTON, MI**  
Major: Mechanical Engineering **Graduation: December 2021**  
Minor: Aerospace, Mathematics **Cumulative GPA: 3.3**

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**SKILLS** | **Relevant coursework:** 3D CAD, Simulation and FEA, Thermodynamics, Mechanics of Materials, Statics, Introduction to Circuits, Numerical PDE Modelling  
**Software:** NX, Amesim, MATLAB, Ansys, Hyperworks/MotionView, Mathematica, MS Office

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**INTERNSHIP EXPERIENCE** | **WEBASTO CONVERTIBLE ROOFS** **Aug—Dec 2020, May—Aug 2021**  
Manufacturing Engineering Co-op

- Improve process flow of the line by improving fixtures or operation layout
- Root cause analysis: Identify parts/processes that harms quality or production
- Develop solutions to improve quality or output of parts at a process
- Redesign fixtures to implement error proofing
- Write Error Proof Verification work instructions, suggest additional error proofs
- Write and update production, rework, and service work instructions
- Perform cost analysis for changing plant layouts

**ALLIANCE LAUNDRY SYSTEMS** **May—December 2019**  
Quality Engineering Co-op

- Identify quality issues, support production line in resolving issues
- Root cause analysis: Assist with DOEs to troubleshoot quality issues
- Perform internal ISO 9001:2015 Audits
- Assist in monitoring and auditing corrective actions
- Perform PFMEA's on assembly line operations

**LEAP LEADER**—TA position for introductory engineering course **Jan 2021—Present**

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**EDUCATION EXPERIENCE** | **MULTIPLANETARY INNOVATION ENTERPRISE**  
Projects: Robotic Arm, mining rover for NASA competition, field rover

- Build, evaluate, and improve designs into working models
- Perform failure mode analysis on systems and components
- Calculate safety factors of components
- Develop testing plans to monitor design success

**NASA L'SPACE and NPWEE ACADEMY**  
A virtual team-based course run by NASA to develop proposal writing skills

- Research subject matter and develop solutions
- Provide justification for design/concept solutions
- Perform proposal write-up, providing objectives, proposed solutions, and justification for the design

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**INTERESTS** |

- **Mechanical Systems:** A high school course on aircraft systems taught me the information necessary to enable me to overhaul an aircraft engine.
- **Cross-cultural experiences:** I have lived in and graduated high school from Papua New Guinea. I speak Tok Pisin, the Creole language of the country, and am interested in working in international or cross-cultural settings.
- **Music:** MTU Concert band, Superior Wind Symphony