Third-year mechanical engineering student with experience in manufacturing, process, and project engineering. Searching for research & development or test engineering internship beginning summer 2024, where I can leverage my problemsolving skills, curiosity, and adaptability. **EDUCATION** Michigan Technological University | Houghton, MI **BS Mechanical Engineering** Expected May 2025 GPA: 3.76 | Departmental: 3.55 PROFESSIONAL EXPERIENCE Assistant Project Engineer Intern | Granger Construction May 2023 – Aug. 2023 Compiled LEED documentation to achieve 9 points towards Silver LEED certification Recorded progress of jobsite by tracking sub-contractor work to present at weekly meetings with owners & architects Prepared close-out documentation to present the owner to begin building operations Engineer Intern | Parker-Hannifin May 2022 – Aug. 2022 Handled prototype processing and plating tests to improve FPY of high running products from 30% to 96% Conducted time studies to improve cost-roll accuracy for 5 of the 13 studied add-on processes Transitioned bar-marking department to ISO-certified processes by creating and implementing standards of work Modelled vibratory bowl in Inventor to design and fabricate devices for content orientation, resuming product run Engineer Apprentice | Racine Metal-Fab July 2020 - Aug. 2021 Improved NPI process by updating an integral 7-step laser-turret Pascal program into a 4-step process Processed new products in ERP Workwise, SolidWorks, Sigma Nest, and Excel for production Communicated with shop floor, project engineers, customer service, and quality assurance daily inspected product quality to uphold customer cosmetic standards and tolerances and decrease PPM Trained 2 apprentices in manufacturing engineering and manufacturing procedures PROJECT EXPERIENCE V.I.T.A.L.S. Research – team of 2 Aug. 2023 - Present **Project:** Mimic the ear canal by using kalimba keys to reduce vibrations read by sensor Ideate, design, collect data, and test fixture layouts with laser vibration sensor to find most efficient design Aug. 2023 - Present Multiplanetary Innovation Enterprise – team of 4 Project: Test Trencher robot and collect data to improve design and publish in technical documentation Research and document regolith compression and use data to test robot depth of cut Mechanical Engineering Practice II – team of 4 Jan. 2023 - May 2023 Project: Design a crane safety link to fail at a set force, in accordance with engineering and customer requirements Project: Stabilize an AHU, accounting for disturbances in mass airflow using the ASME MFC-3M-2004 standard Scheduled weekly team meetings to keep team on track for timeline of project and guality of work Created MatLab programs to streamline calculations and present data graphically Collected data with LabView, simulated with SimCenter 3D, and analyzed data for trend RetroPi Arcade – team of 2 April 2019 – May 2021 Project: Build a 4-player arcade machine using Raspberry Pi with joystick and button controls with a wooden frame Designed frame and accessories in Inventor following size constraints and tolerances Assembled frame, wired electronics, soldered wires, crimped connectors, and edited existing Python program Portable Light Cart – team of 1 July 2020 – Aug. 2020 Project: Produce new light cart to aid cosmetic inspection addressing operator feedback for ease of use Designed mobile light cart made of 80/20 T-slot in SolidWorks with pin & R-clip fastening for angles and heights Wired light switch and overhead light to electric cord and assembled 3 light carts LEADERSHIP Engineering Learning Center Coach | Michigan Technological University Aug. 2023 – Present Assist students in their understanding of statics, dynamics, material mechanics, and thermodynamic LEAP Leader | Michigan Technological University Aug. 2022 – Apr. 2023 Assisted 3 professors in lecture sessions of the engineering fundamental courses Facilitated weekly classroom session of 24 students to further their understanding of MatLab and collaborative skills COMMUNITY INVOLVEMENT Community Service Club Lead | St. Albert The Great Campus Ministry Apr. 2023 – Present Organize community service opportunities and cooperated with community organization Maker Space Coach | Michigan Technological University Aug. 2021 – Apr. 2023 Maintained safe workshop for students to learn and use tools, and guided students in 3D modeling software & printing INTERESTS

Archery | Crochet | Designing | Ceramics | Swing Dance | Coaching | Art | Hiking | Sewing | Reading