

Louie T. Laker

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OBJECTIVE:

To obtain a 3-rotation engineering co-op sequence (**Summer 2026, Winter 2027, and Fall 2027**) in Mechanical Engineering to apply educational knowledge and theory into practical industry experience.

EDUCATION:

Grand Valley State University (GVSU), Grand Rapids, MI
Bachelor of Science in Engineering – **Mechanical Engineering**

GPA: 3.48
August 2027

EXPERIENCE:

Dematic Corp.

Assembly Technician

Grand Rapids, MI
May 2025 - Present

- Follow over 50 assembly drawings and wiring diagrams monthly to build equipment accurately
- Assemble 20+ wiring harnesses and panels using basic hand and power tools
- Check parts and products to make sure they meet quality standards
- Collaborate with a 10-person team to complete 4-10 build runs each week
- Maintain a clean and safe by following company and OSHA rules

Main Street Pub

Server

Allendale, MI
May 2023 - February 2024

- Ensured every customer is satisfied with their experience by providing high level of customer service
- Communicated with kitchen staff of 6 to effectively expedite food times to customers
- Managed a section of 15 tables with the potential for 75 guests at a time
- Trained new wait staff on proper technique and restaurant protocol

Host

January 2023 - May 2023

- Greeted and welcomed customers before escorting them to their assigned table
- Accommodated 50+ reservations per night through proper organization and time management

PROJECT EXPERIENCE

Mini Sumo Robot/Line Following Robot

Winter 2025

Objective: To design and build a functioning sumo robot that could imitate a real sumo wrestler

- Benchmarked 10-15 different robot designs using cardboard and other on-hand materials
- Evaluated the best design based on the restrictions of the project and within the specified budget
- Designed and programmed the robot in SolidWorks and Arduino C, respectively
- Milled the robot body using CNC machines and assembled robot by following specifications

Outcome: The robot functioned successfully, sensed the other robot and followed the line

TECHNICAL SKILLS

Software: SolidWorks, Microsoft Excel, SAP, C#, InDesign

Certifications: Engineer in Training (EIT), CompTIA, Microsoft Technology Associate (MTA)

Languages: Fluent in French, Conversational in Spanish

HONORS:

President's List (3 semesters), Tau Beta Pi Honor Society, Outstanding Service Award

ORGANIZATIONAL INVOLVEMENT:

American Society of Mechanical Engineers (ASME), Casting Club, GVSU Solar Racing Team, Formula SAE, and Habitat for Humanity