Lucas Griwicki

Mechanical Engineering Student

Canton, MI lgriwick@umich.edu

OBJECTIVE

Seek an internship in mechanical engineering focusing on design, manufacturing, and improvement.

EDUCATION

University of Michigan - Dearborn • Dearborn, MI

Expected Graduation: 4/2027 • BSE Mechanical Engineering - ***4.00 GPA***

Awards

- *Dean's List – Achieve a 3.50 or higher term GPA.*
- *Dean's Scholarship – awarded to students who maintain a 4.0 GPA throughout high school*

Salem High School • Canton, MI • *Graduated 6/2023 -* ***4.00 GPA***

Awards

- *Principal's and President's Award - Rewarded for exceptional academic achievement and active involvement in extracurriculars.*
- *Student of the Month - Nominated by faculty that awards dedicated students in a school of 6000+*

SKILLS

- **Technical:** CATIA, MATLAB, Fusion 360, Excel/VBA, Adobe CC, MS Office
- **Manufacturing:** CNC, 3D Printing, Drill Press, Fabrication Tool
- **Leadership:** Fabrication Lead & Alumni Mentor, Lightning Robotics

PROFESSIONAL EXPERIENCE

Yazaki North America • Canton, MI

Mechanical Engineering Intern *May 2025 – August 2025*

- Worked on engineering projects supporting the GM business unit.
- Automated data processes in Excel (VBA) to reduce manual effort.
- Validated connector/terminal specifications, identifying cost-saving alternatives.
- Prepared work orders for XC library updates, enabling $200K+ annual savings.
- Trained engineering teams on automation tools for sustainability.

RELATED COURSEWORK

Engineering Computer Graphics, Engineering Computer Methods, Thermodynamics, Materials, Stress Analysis, Technical Writing, Calculus I–III, Differential Equations, Linear Algebra, Physics I–II

ACADEMIC EXPERIENCE

3D-Printed Arduino Car • University of Michigan – Dearborn

Project Group *Winter 2024*

- Collaborated with a small group to design and 3D print a chassis for an Arduino-powered vehicle within specific design parameters.
- Wired and assembled components, including motors, power modules, and IR sensors for path tracking.
- Programmed the vehicle using Arduino IDE and adjusted code values for optimal functionality.

Lightning Robotics • Canton, MI

Fabrication Leader *September 2018 – June 2023*

Alumni Mentor *January 2024 – Present*

FIRST Team 862, Lightning Robotics, is a high school team that competes in the FIRST Robotics Competition. Students design, build, and program robots for various challenges.

- Led fabrication efforts for a top 11 statewide, World Championship–qualifying robot
- Managed CNC/3D printing, ensuring precision and training new members
- Collaborated across subgroups, addressed timeline concerns, and promoted STEM in outreach