

William Schrab

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EDUCATION

Bachelor of Mechanical Engineering

Expected May 2027

Mechanical Engineering, College of Science and Engineering, University of Minnesota-Twin Cities, Minneapolis, MN
GPA: 3.836, Dean's List

SKILLS

Software Skills: C++, Creo, Excel, Mathematica, MATLAB, NI Labview, Onshape, Photoshop, R/RStudio, QUCS

Other Skills: Graphic Design, Photography, Soldering, Wood Working, Circuit Design, Design Sketching

RESEARCH EXPERIENCE

Lab Assistant

May 2025 - Current

Li Research Group, University of Minnesota

- Main project consists of constructing a temperature and humidity controlled wind tunnel
- Collaborated on design and control of laboratory testing systems
- Work in partnership with graduate students to complete research to improve the efficiency of heat pumps in cold climates
- Devised multiple plans to address leakages and environmental control system issues, improving tunnel usability

INDUSTRY EXPERIENCE

Intern

May 2024 - August 2024

Ergodyne, Saint Paul, MN

- Completed and made accessible to all employees a database of information about every individual product's packaging
- Independently photographed, massed, and dimensioned hundreds of different products in varying locations
- Brought product and packaging information up to newly implemented nationwide shipping standards
- Collaborated with both marketing and operations teams to efficiently collect and redistribute product data

OTHER EXPERIENCE

Team Member

June 2023 - August 2023

Target Corporation, Shoreview, MN

- Maintained product freshness by executing daily stock rotation, quality checks, and removing defective items
- Handled customer questions and comments about specific foods and the rest of the store
- Entrusted with opening, closing, and running department and with end-of-day reporting

Shop Assistant

June 2021 - August 2022

Lametry's Collision, New Brighton & Maplewood, MN

- Responsible for picking up and delivering parts, movement of customer cars throughout the day, protecting work in progress cars from the elements, and assisting technicians, painters, and detailers
- Organized cars nightly into a sheltered garage for protection
- Selected to transfer to main corporate office location based on performance after 1 summer

SUPPORTING EXPERIENCE

Personal Designs

- For a final project designed in creo, manufactured, and programmed a robot to braid 3 strings together all running off of a battery in a semi-compact form
- Passion for making custom projects such as an electric guitar, multi round potato style cannon, computer building, and many miscellaneous wood projects
- Experience in lighting design and control for events