651-894-3350

Dedicated and hardworking student majoring in software engineering at Milwaukee School of Engineering with an expected graduation date in 2026. Completed engineering projects including building a working FPV drone, designing and constructing a mini fridge, and creating an aquatic vehicle. Inventor on granted patent for "Automatic fire resistant exterior shutter." (US Patent No. US 9,297,198 B2).

Education

Mahtomedi High School, Mahtomedi, MN

- GPA: 3.82
- High Honor Roll (2018-2022)

Milwaukee School of Engineering, Milwaukee, WI

- Software Engineering Major
- Expected Graduation May 2026

Work

Event Staff, Mahtomedi School District (2019-2022)

- Set up equipment for gymnastics meets, kept track of the score and ran clock for basketball games.
- Learned the importance of punctuality and attentiveness.

Skills

Solidworks, Fusion 360, 3D Printing, Prusa Slicer, Laser Engraving, Soldering, CNC Routing

Project Experience

Construction of a First Person View Drone (3 months)

• Built an FPV drone using parts found online. Project involved soldering circuit boards. Design and Construction of a Mini Fridge (1 month)

• Designed an insulated chamber and implemented a cooling device. Finished by bolting laser cut acrylic paneling to the wooden frame of the fridge.

Design and Creation of an Aquatic Vehicle (10 months)

• Designed a surfboard using Fusion 360 and cut using a CNC router. Used marine epoxy and fiberglass to make the board. Built a propulsion system using a motor, esc, and lithium ion batteries. Attached propulsion system to board using 3D printed mount.

Achievements

- Inventor on granted patent (US Patent No. US 9,297,198 B2)
- Real World Design Challenge State Winner (2018, 2020)
- Real World Design Challenge National Merit Award for Creativity (2020)
- Cross Country All Conference (2020)

Involvement

- Team Captain, Real World Design Challenge (2021)
- Team Captain, Robotics (2022)
- Lead Engineer, Drone Club (2020, 2022)

Athletics

- Cross Country Team Captain (2020, 2021)
- Cross Country Varsity Letter (2019, 2020, 2021)
- Track and Field Varsity Letter: (2018, 2020)