

Matthew Whispell

Potsdam, NY • matthewwhispell@gmail.com • (315)-262-5011 • linkedin.com/in/matthewwhispell

Electrical Engineer with 5 years of experience in systems integration, controls engineering, and team leadership. Adept in troubleshooting and finding points of failure.

Professional Experience

Clarkson Formula SAE Electric Racing Team 2025-Present

Electrical Engineer

- Integrated mechanical and electrical systems, allowing for complex electronic control of mechanical systems
- Ensured systems were conformant to SAE rules and regulations, reducing need for last-minute modifications to be able to compete
- Implemented safety interlocks on the vehicle to prevent unintended runtime behavior

Hazen Enterprises 2021-Present

Maxfields and Cactus Grill & Cantina Restaurants

- Interfaced between the kitchen and front-of-house to ensure food was sent correctly
- Worked on a team of food runners to keep kitchen output consistent

Potsdam FTC Robotics Club 2020-2024

Team Leader and Lead Engineer

- Delegated work to sub teams, leading to higher productivity and more efficient use of time
- Created a part organization system which increased space utilization and reduced time wasted searching for parts by 50%
- Trained machine-learning models for use in autonomous navigation and object manipulation, leading to 20% higher average match scores

Education

Clarkson University 2024-Present

Bachelor of Electrical Engineering • 3.93 Cumulative GPA

- Awards: Presidential Scholar 2024-25, Undergraduate Commercialization Award 2025

Potsdam Senior High School 2020-2024

Academic Top 5 • 100.39 Cumulative Average

- Awards: FTC Innovation Award, FTC Robotics State Championship winner (x2)

Skills

Verilog HDL, MATLAB, C++, C#, Python, TensorFlow pipelines, Machine learning training, PID systems, 3D printing, Autodesk Fusion, Autodesk Revit, System integration, Team leadership