

Owen Miller

Junior at WPI

✉ owenrmiller@gmail.com ☎ (203) 997-6128 📍 Darien, CT

PROFESSIONAL SUMMARY

Enthusiastic leader with advanced technical skills, along with team building and problem-solving abilities. Articulate, caring, and positive communicator with an organized and diligent nature.

PROFESSIONAL EXPERIENCE

- 05/2025 – 08/2025 **Product Engineer**, *Time-To-Market Technologies*
Stafford Springs, CT
- Identified key machine metrics that correlate to performance
 - Designed, built, and programmed a custom fixture and test device for machine assembly, saving 8 hours per machine built
- 05/2024 – 07/2024 **Lead Assembly Engineer**, *Cognition Controls*
Norwalk, CT
- Led the assembly of high-quality, cellular-enabled thermostats, while managing inventory
 - Developed optimized assembly processes, resulting in a 40% increase in production efficiency
 - Collaborated with cross-functional teams, including design, engineering, and quality assurance, to troubleshoot and resolve assembly issues, enhancing overall product reliability and performance
- 06/2022 – Present **Safety Officer**, *NHRL*
Norwalk, CT
- Conducts thorough safety inspections on combat robots (3lb, 12lb, and 30lb)
 - Ensure adherence to safety guidelines, taking an active approach to risk management
 - Coordinates with emergency services, ensuring effective communication in case of emergencies
- 07/2019 – 09/2024 **Head Sailing Instructor**, *Darien Junior Sailing Team*
Darien, CT
- Orchestrated annual setup and takedown of facilities, including maintenance needed for sailboats
 - Mentored instructors, providing guidance on teaching, safety protocols, and effective student communication
 - Educated students on sailing Club 20's, Optimists, and Lasers

EDUCATION

06/2027 **BS in Robotics Engineering, BS in Mechanical Engineering**, *WPI – Worcester, MA*
Worcester, MA WPI GPA: 3.85

SKILLS

Fusion 360, SolidWorks, Onshape	MATLAB, PCB Design, ROS, ANSYS	3D printing with FDM and SLA printers
Python, JavaScript, PHP, SQL, HTML, C++, Ardupilot, Linux	Public Speaking, Problem Solving, Critical Thinking	Welding, Soldering, CNC Machining
		FAA Part 107 In Progress

LEADERSHIP EXPERIENCE

Team Lead, *WPI High Power Rocketry Team: Payload Research and Development, Payload Division Lead*

Eagle Scout, *Senior Patrol Leader of Troop 53, Darien CT*

AWARDS AND CERTIFICATIONS

- 04/2024 **Finalist in WPI Ignite Innovation FireJam Competition**, *for Firefly Sentry Proposal*
- 02/2023 **2nd in Lockheed Martin CYBERQUEST Competition**
- 04/2023 **STAMP Certified Biliterate in Spanish**