

Ethan Kooistra

Electrical engineering student looking for Summer Internships and Co-ops in 2026, centered around power systems and hardware; with experience in web development and drone hardware, and skilled in wiring and hardware software communication.

EXPERIENCE

Walmart Supercenter, Hastings, MI — 2nd Shift Stocking

June 2025 - PRESENT (On Leave During Semester)

Unloaded trucks containing general merchandise, stocked and zoned store shelves during peak hours (2P.M-11P.M), assisted customers in finding merchandise.

Blue Dragon Restaurant, Caledonia, MI — *Busser*

January 2023 - June 2025

Took, fulfilled and assisted in making customer orders at a small family owned Chinese take-out restaurant.

EDUCATION

Michigan Technological University, Houghton, MI — *Electrical Engineering*

August 2025 - PRESENT (expected graduation: 2029)

Rigorous STEM centric university, currently studying Electrical and Computer Engineering.

Grand Rapids Community College, Grand Rapids, MI — *Dual Enrollment*

September 2023 - May 2025

Took primarily computer science and general education classes for credit transfer to Michigan Technological University.

West Michigan Aviation Academy, Grand Rapids, MI — *High School Diploma*

September 2022 - May 2025

Engineering and flight focused charter academy, known for academic rigor and professionalism.

GPA: 3.96

Unmanned Aerial Systems Capstone

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SKILLS

Web Design

3D Computer Aided Design, 3D Prin

Java, Python, Visual Basic

Ardupilot, ExpressLRS, Betaflight

Circuit Building, Soldering

Linux

UAS Operations

AWARDS

AP Scholar with Honors, score an average of at least 3.25 across all AP exams taken, with a 3 or high on at least 4 AP exams

Science Olympiad Chem Lab 2nd Place, earned second place in the Chem Lab event at the Michigan Science Olympiad Tournament (2025)

Leading Scholar Finalist, finalist at the Michigan Technological University Leading Scholar Scholarship Program

PROJECTS

Tarot 650 Sport — *Autonomous Flying Drone*

Built an autonomously flying quadcopter from spare parts donated to the West Michigan Aviation Academy by GE Aviation, ran using Ardupilot an open-source autopilot software.

5 inch Quadcopter — *FPV drone*

Assembled a 5 in First Person View drone running on Betaflight and communicated to via expressLRS an open-source long range communication protocol, and transmitted 5.8 Ghz analog video.