

Ian Douglas Cox

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Education

University of Michigan

Bachelor of Science in Aerospace Engineering

Ann Arbor, MI

Graduation: Dec 2027

- GPA: 3.79
- Awards: Dean's Honors List

Institute for International Education of Students (IES)

Program: European Union: Politics, Law & Economics

Freiburg, Germany

May 2025 – July 2025

- Engaged with EU Officials, NGOs, and academic experts
- Analyzed and debated issues of current concerns in Europe

Relevant Experience

MRacing (Formula SAE)

Aero and Chassis Team Member

Sept. 2024 - Present

- Fabricated multiple carbon fiber parts on the car
- Validated car design using CFD (Star-CCM+) and physical models

Hovercraft Competition Winner

Jan. 2025 – May 2025

- Designed hovercraft shell using CAD (CATIA V5)
- Improved aerodynamics of the hovercraft using CFD (Star-CCM+)
- Collaborated with 4-person team

Hydrogen Grand Challenge

Oct. 2024 – April 2025

- Developed a business pitch for a hydrogen based company in Michigan
- Toured Ford F-150 Lightning manufacturing plant to see where our product could fit

Software Experience

- CAD: CATIA v5, Siemens NX, Creo Parametric
- Simulation: Star CCM+, FEA through Catia
- Programming Languages: C++, MATLAB

Leadership Experience

Eagle Scout

Boy Scouts of America

Sept. 2016 - June 2024

- Led construction and fundraising for a 70-ft board walk in a state park
- Served 7 years in troop leadership planning meetings and helping other scouts

High School Leadership

Brighton High School

- Voted team captain for Varsity Cross Country (Fall 2023) and Varsity Track and Field (Spring 2024)
 - All State Recognition in 4x800 Relay and 4x400 Relay

Additional

- Other Relevant Skills: Hand Drafting, Composite Manufacturing
- Activities: Club Running (MRun)
- Hobbies/Interests: Backpacking, Fitness, Golf, and Skiing