Eli Goreta

Location: Ann Arbor, Michigan

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EDUCATION

University of Michigan - Ann Arbor: College of Engineering Ann Arbor, Michigan
Bachelor of Science in Engineering in Computer Engineering w/ Minor in Mathematics *April 2025*

TECHNICAL SKILLS

Languages/ Software	:	C/C++, Java, Python, MATLAB, Swift, LaTeX, ARM, Visual Studio Code, XCode, Git, ROS, Fusion360
Relevant Coursework	:	Algorithms and Data Structures, Computer Organization, Discrete Mathematics, Differential Equations, Multivariable Calculus, Physics 1-2, Probability

EXPERIENCE

Grader August 2023 – Present
EECS 183: Elementary Programming Concepts

- Grades code quality on student's programming projects in 1,200+ student course
- Assists in proctoring of exams and grading of exams
- Assists at special events throughout the course, including a student final project showcase at the end of the semester

Software Team Member September 2022 – Present
Michigan Autonomous Aerial Vehicles

- Designs computer vision software using OpenCV in Python and GPS-based path planning onboard the drone
- Competes in an autonomous drone competition in which the drone must complete strenuous software-based and physical tasks in a very limited timeframe

College Instructor June 2021 – Present
University of Michigan: Dearborn - Math Corps *Dearborn, Michigan*

- Instructs 100's of middle-school students on both core and advanced mathematics concepts and administrates activities
- Manages 18-person team of high-school teaching assistants
- Works closely with UM-Dearborn Mathematics faculty

Campaign Fellow December 2021 – November 2022
Jaime Churches for State Representative

- Oversight of 10 political interns and lead outreach programs to 100,000+ voters/constituents
- Developed campaign strategy with campaign management, including funds management and advertising
- Recorded minutes for meetings with leading government and industry individuals

Head Lifeguard June 2019 – August 2023
Kennedy Aquatics Center *Trenton, Michigan*

- Oversight and management of 50 lifeguards, including shift scheduling and conflict management
- Operated pool equipment including chlorine regulation systems and water pumping systems
- Certified and responsible for Red-Cross emergency protocols

VOLUNTEER WORK

Robotics Mentor April 2022 – Present
FRC 5090 - Torquenados

- Instructs and advises students of world championship-level team in robotics engineering, including advanced programming skills and algorithms, embedded systems design, and engineering design processes