

Eli Goreta

Location: Ann Arbor, Michigan

Website: egoreta.github.io | Email: egoreta@umich.edu | Github: [egoreta](https://github.com/egoreta)

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 60 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