

# Eli Goreta

Location: Ann Arbor, Michigan

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## EDUCATION

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### 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

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**Languages/ Software** : C/C++, Java, Python, MATLAB, Swift, LaTeX, ARM, Visual Studio Code, XCode, Git, ROS, Fusion360, ArduinoIDE

**Relevant Coursework** : Algorithms and Data Structures, Computer Organization, Discrete Mathematics, Differential Equations, Multivariable Calculus, Physics 1-2, Probability

## EXPERIENCE

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### College Instructor

June 2021 – Present

*University of Michigan: Dearborn - Math Corps*

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

### Grader

August 2023 – Present

*EECS 183: Elementary Programming Concepts*

- Grades code quality on student's programming projects
- 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*

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

### Head Lifeguard

June 2019 – August 2023

*Kennedy Aquatics Center*

*Trenton, Michigan*

- Oversight and management of all 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

### Campaign Fellow

December 2021 – November 2022

*Jaime Churches for State Representative*

- Oversight of all political interns and lead voter/constituent outreach programs
- Developed campaign strategy with campaign management, including funds management and advertising
- Recorded minutes for meetings with leading government and industry individuals

## VOLUNTEER WORK

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### Robotics Mentor

April 2022 – Present

*FRC 5090 - Torquenados*

- Instructs and advises students of a worlds-quality and state-championship-winning level team in robotics engineering, including advanced programming skills and algorithms, embedded systems design, and engineering design processes