

Diego Ramirez-Gomez

200 Observatory Street | Ann Arbor, MI 48109

ramdiego@umich.edu | (248) 210-1279

Education

University of Michigan

Ann Arbor, MI

Bachelor of Science in Electrical Engineering

August 2022 - June 2026

- **GPA: 3.93, Dean's List 2022, 2023**
- **Courses completed:** Intro to Programming/Data Structures, Intro to Circuits, An Intro to Autonomous Electronic Vehicles, Physics of Magnetism and Electricity
- **Courses taking:** System and Signals, Probabilistic Methods in Engineering, Electromagnetism, Critical Thinking

Everest Collegiate

Clarkston, MI

August 2018 - May 2022

- GPA: 4.17 (weighted)
- **Course Highlights:** AP's in Physics, Math, Biology, Literature and Chemistry. Completed courses in Robotics and Introduction to Computer Science. Involved in accelerated math courses that ended with Multivariate Calculus
- **Awards/Honors:**
- Integer award (given to the best overall student)
- Summa Cum Laude (given to those with 4.0 or above weighted GPA)
- AP Scholar with Honor (given to those with scores of 3 and above on 3 or more AP tests)
- All-State Academic (given to those with outstanding GPA while playing a sport)

Work Experience

Caddie

Bloomfield Hills Country Club

Associate

May 2022 - August 2023

- Utilized effective communication to interact with members, demonstrated strong work ethic and problem solving skills, assisted members by carrying member's golf bags, aiding in yardage and reading greens for the members to have an enjoyable round. Given the award of the top 50 caddies 2 yrs. in a row.

Undergraduate Research Assistant

University of Michigan

Data Collector

December 2022 - May 2023

- Assisted in data collection to test on how conflict between Russia/Ukraine affected carbon emissions.
- Collected data using FlightAware of over 500 or more flights from Europe to Asia. Summary presented at UofM 2023 Research symposium.

Projects

C++

University of Michigan

Software designer

August 2023 – December 2023

- Collaborated with a partner to learn about data structures and create projects such as: a game of Euchre, basic machine learning using BST, and cropping images using seam carving algorithms.

Intro to Circuits

University of Michigan

Engineer

August 2023 - December 2023

- Learned about basic methods of analyzing circuits using common methods of KVL and KCL
- Brief introduction to AC filter circuits and AC analysis
- Practiced techniques by creating and analyzing circuits to confirm our calculations/predictions.

Intro to Engineering

University of Michigan

Engineer

August 2022 - December 2022

- Collaborated with a team to design a basic autonomous drone that can navigate through its surroundings. Trajectory planning and control implemented using Python.
- Created a simulation environment using Unity (3D virtual environment tool) to test our drone.
- Presented results to the entire class, as well as writing a report for the project.

Robotics Course

Everest Collegiate

Hardware/software designer

August 2018-June 2019

- Constructed robots to be able to program them for class assignments and to learn about the programming language C.