

Edgar Cruz-Martinez

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EDUCATION

Georgia Institute of Technology (GT), Atlanta, GA

August 2024 – May 2027

Candidate for Bachelor of Science in Computer Science;

East Hall High School (EHHS), Gainesville, GA

May 2024

Valedictorian

Weighted GPA: 4.51/4.00

EXPERIENCE

ACT Lab, Research Assistant, GT, Atlanta, GA

January 2024 - Current

- Collaborated with a team of eight to clean and structure a large dataset of autonomous vehicle (AV) crash reports, resolving duplicates, missing values, and redacted data.
- Worked closely with teammates to apply LLMs (e.g., GPT) for generating taxonomies from crash narrative data and handling any remaining missing values.
- Implemented text mining techniques and hierarchical clustering to identify AV edge cases for further analysis.

Walmart, *Apparel Associate*, Gainesville, GA

May 2022 – August 2024

- Oversaw the fitting room's day to day operations, making sure that guests felt welcome and that returns and outfit organization were handled effectively.
- Used customer feedback to create a more welcoming and accessible area for customers that boosted sales by 10%
- Given a 20% raise in recognition for my stellar work ethic.

Brenau University, *Web Development Intern*, Gainesville, GA

August 2023 – May 2024

- Worked under a webmaster to learn the fundamentals of web accessibility and web development (HTML, JavaScript, CSS)
- Assisted the university's marketing department by fixing website issues, advising on teen engagement strategies, and contributing to web and social media content.

PROJECTS

Personal Portfolio

- Employed modern web development practices to create a visually appealing and engaging website that showcases my interests, aspirations, and past experiences through the use of CSS, HTML, and JS.

Maze-Navigating Robot

- Designed and programmed the iRobot Create 3 to autonomously navigate a maze, detect obstacles, and reach a goal.
- Worked closely with teammates to implement object-oriented programming, asynchronous functions, and iterative algorithms for real-time obstacle detection and rerouting.

LEADERSHIP AND COMMUNITY ENGAGEMENT

Team Captain, Academic Team (EHHS)

September 2020 – May 2024

- Lead and trained my school team to compete in trivia style competitions.
- Steered my team to a consistent top four placement in my region every year.

Treasurer, Beta Club (EHHS)

October 2021 – May 2024

- Managed club funds and set budgets for community events and fundraisers.
- Helped plan a school wide can drive that raised over 250lb of food for the local food bank.

Participant, Youth Leadership Hall (EHHS)

September 2023 – April 2024

- A year long program that consisted of workshops on developing leadership and soft skills.
- Communicated with and learned from experienced leaders in the Hall County community from a variety of industries.

SKILLS

Technical: Javascript (intermediate), Python (Proficient), Html (intermediate), CSS (intermediate), Java (intermediate)

Languages: Spanish (native), English (native)

General: Adaptability, Collaborative, Initiative, Dependability

Additional: CPR, First Aid, Excel, and PowerPoint certified

HONORS & INTERESTS

Honors:

- Pilgrims Tomorrow Fund recipient June 2024
- Hispanic Scholarship Fund recipient July 2024
- AP Scholars with distinction award July 2023
- Hispanic/Latino National Recognition award January 2023

Interests: Skateboarding, Video Games, Soccer, Web Development, and Thrifting