

cmcejas.dev



CARLOS MANUEL CEJAS

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Greater Philadelphia Region



CS Student at Trinity College Dublin (BSc/MSc)

U.S. citizen with full work authorization in the United States

EDUCATION

Trinity College Dublin

2025-2030*

Pursuing a five year combined Bachelors and Masters Degree in Computer Science

Springfield Township Highschool

2021-2025

Relevant Classes:

- Programming I (Python)
- AP Computer Science A (Java)
- Multi Variable Calculus DE
- AP Calc AB/BC
- Engineering Design IS

PROGRAMMING LANGUAGES

- Python
- Java
- ReactJS
- HTML

OPERATING SYSTEMS

- Windows
- Ubuntu-based distributions
- Arch-based distributions
- Mac-OS

PROJECTS

- repositories at: <https://github.com/cmcejas>
- website: <https://cmcejas.dev>

OUTSIDE EXPERIENCES

University Experiences

- Philosophical Society Member
- Computer Science Society Member
- Tennis Society Member

Highschool Experiences

- Science Olympiad Selected
- NHS Member
- DECA 2nd Place MTDM
- Youth and Government Treasurer

PROFESSIONAL EXPERIENCE

Web Developer at Parkt

May 2024 - September 2024

Led development of the company website, building new features and optimizing existing systems to improve functionality and user experience. Regularly consulted on operations, branding, and marketing strategies, ensuring the company's digital presence aligned with its broader business goals. Contributed to key startup decisions, gaining hands-on experience with early-stage growth challenges. project link: <https://parkt.app>

Formula Trinity - Path Planning

Oct 2025 -

I work on the autonomous path-planning subsystem of Formula Trinity's race car, where I analyze and improve the previous year's ROS-based codebase to enhance performance and reliability. My role involves developing and refining path-planning algorithms in Python and testing them in Gazebo simulations to optimize the racing line for higher speeds and reduced distance.

Drexel Digital Development Course

July 2023

I worked on a team with a group of 6 students some entering college and others entering their senior year of high school. Designed, programmed, developed, and pushed a functioning web app connecting food kitchens to volunteers and workers. My role was a full-stack developer. project link: <https://github.com/CyrusGuest/PlatePals>

Robotics Club Instructor

November 2021 - December 2024

- I volunteered to instruct my former middle school robotics team that I led to winning regionals when I attended.
- I assisted the kids in learning the First Lego block code, fixing bugs, and helping build teamwork amongst them.

SPOKEN LANGUAGES

- English (Native)
- Spanish (Native)
- French (Limited working proficiency)