

Camilo Garza

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EDUCATION

Amherst College

Amherst, MA

Bachelor of Science in Computer Science and Economics

Anticipated Graduation Date: May 2025

- Relevant Coursework: Data Structures, Algorithms, Computer Architecture, Artificial Intelligence, Computer Systems, Computer Graphics

Mamaroneck High School | *GPA*: 3.9/4.0

Mamaroneck, NY

Honors: QuestBridge Scholar, AP Scholar with Honor Award, National Honors Society

Class of 2021

EXPERIENCE

Ocean Clean-Up Robot

Mamaroneck, NY

Team Member

January 2021—June 2021

- Created a prototype image recognition and processing software using Python and OpenCV, to detect different forms of plastic contaminating the ocean

Ray Tracer

Amherst, MA

Developer

January 2023—May 2023

- Developed a Ray Tracer program in Java that can create and display simple 3D objects, apply shaders/textures, and use different types of lighting

PicoCTF Competition

Mamaroneck, NY

Team Member

October 2019

- Solved cybersecurity problems dealing with a variety of topics, such as cryptology and web exploitation
- Placed 87th in the United States and 401st Worldwide out of 8,000+ participating teams

FIRST Tech Challenge Robotics

Mamaroneck, NY

Team Member

September 2019—June 2021

- Collaboratively designed a robot that overcame a series of physical challenges (e.g., picking up objects)
- Led the software development of the robot's automation, image recognition, and movement using Java
- Placed 5th out of 100+ teams in the NY State FTC competition

Future Business Leaders of America

Mamaroneck, NY

Selected Member

October 2019—April 2021

- Developed and presented a 3D animation with Blender and Fusion360 software that shows the importance of FBLA involvement in members' lives, which led to 1st place at the state-level competition and fifth place at the national-level competition out of 100+ teams

LEADERSHIP

Camp Wildwood

Bridgton, ME

Summer General Counselor

June 2019—August 2023

- Managed 25 seven to fourteen-year-old children at a sleepaway camp
- Organized 10+ events and activities for campers to participate in throughout the summer session

Robotics Club

Mamaroneck, NY

Co-Vice President

September 2020—June 2021

- Organized 8+ events and competitions for members
- Onboarded underclassmen and new members to team operations
- Educated new programmers on Java development to enhance robot programming

Tiger Buddies

Mamaroneck, NY

Vice President

September 2017—June 2022

- Founded a mentorship program to facilitate 1-on-1 reading sessions between high school and elementary school students, in an effort to improve literacy skills in the community

SKILLS

Proficient Programming Languages: Java, HTML, CSS, Python, JavaScript

Experience with: Image Recognition, Image Processing Software, 3D Animation, Data Analysis, Design Thinking, Event Planning, Event Management, Communication Skills, Team Collaboration, R, C, Git, and SQL

Languages: English, Spanish