

Carter Garcia

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EDUCATION

New York University, Tandon School of Engineering

Brooklyn, NY

Bachelor of Science, Computer Science

May 2024

- **Minors:** Integrated Design and Media and Game Engineering
- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Linear Algebra, Game Development, Human Computer Interaction, Interactive Computer Graphics
- **Extracurricular Activities:** NYU Violet Varsity League of Legends Player
- **GPA:** Cumulative 3.4/4.0

EXPERIENCE

Robomaster Robotics Competition

Brooklyn, NY

Unity Development Team Lead

Aug 2021 – Dec 2022

- Compete in robotics competition yearly in Shenzhen China.
- Develop competition simulation in Unity Game Engine.

Immersive Computing Lab

Brooklyn, NY

Research Intern

Aug 2021 – May 2022

- Research topics in cognitive science such as perception, awareness, and learning development.
- Apply researched information to improve machine learning and computer analysis.
- Create AR/VR apps with Unity Game Engine

Solaria “Plantveyor” Prototype Design

Brooklyn, NY

Project Developer

Sep 2020 – December 2020

- Produced a functional prototype of a microcontroller-powered conveyor belt that will move a plant into the spot on the belt with the most light.
- Produced code implementation for the microcontroller power conveyor belt.
- Created Project Timeline
- Semifinalist in school-wide Rapid Assembly and Design Challenge

First Robotics Competition

Menlo Park, CA

Analyst Intern

Sep 2019 – May 2020

- Designed potential robot designs for the competition.
- Created CAD models to create components of the robot.
- Coordinated with a team to divide tasks and organize workflow.

John Hopkins University

San Mateo, CA

Math Instructor

Jun 2019 – Aug 2019

- Led classes teaching young kids subjects in math, logical proofs, and kinematic equations.
- Strategized with co-tutors to create activities to keep students engaged in their learning.

ADDITIONAL INFORMATION

Computer Skills: Microsoft Office, Unity, Gamemaker Studio 2, Adobe CC, Fusion 360

Hardware Skills: Arduino, Raspberry Pi 4

Coding Languages: C++, C, C#, JavaScript, Python, Java, HTML, CSS, OpenGL

Interests: Video Games, Homebrew, Music