

Jason Allen Ramos Severino

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EDUCATION

Cornell University

Ithaca, NY

College of Engineering

Expected Graduation date: May 2028

Bachelor of Science in Civil Engineering

GPA: 3.3

Coursework: Python, Multivariable Calculus, Sustainable Engineering, Physics: Mechanics, Statics, Material Properties

Awards: Gates Scholarship recipient, Kessler Scholar, National Hispanic Recognition Award from Collegeboard

EXPERIENCE

Engineers Without Borders, Cornell Chapter

Ithaca, NY

International Subteam Member

Spring 2025 - Present

- Designed and modeled a Gazebo with AutoCAD Fusion and used WaterCad to calculate pipe measurements for a sewage system for the Barrio San Cristobal community in Bolivia
- Created maps of the Barrio San Cristobal community to analyze elevations for a sewage system with QGIS
- Organized water, elevation, and pump flow-rate data to assess the value of a new water distribution system

Cornell Entertainment Engineering and Design Club

Ithaca, NY

Mechanical Subteam Member

Spring 2025

- Designed and manufactured a water pump system for an axolotl animatronic
- Received machine shop training at Cornell University's Emerson Lab to learn foundations of metal manufacturing

Coding Club

Manhattan, NY

Co-President

2021-2024

- Worked with Columbia University students to program an educational website with HTML presented to 30+ students
- Programmed a four-wheeled robot to traverse a maze by using Ultrasound sensors and an Arduino
- Learned Python software, block-based programming, pseudocode usage, and completed various coding projects

All-Star Code Program

Manhattan, NY

Student

Summer 2024

- Completed multiple programming projects based on Web development, Game Design, and API Development and conducted research on the use of Artificial Intelligence in programming and basics of machine learning
- Proposed a business model of a tech startup to a room of 60+ people at JP Morgan Chase Headquarters

Columbia University Academic Weekend and Pre-College Program

Manhattan, NY

Student

Fall 2023

- Received full scholarship for 2 collegiate-level course on Physics and Technology and Engineering Ethics
- Presented a Capstone project on the impacts of different disciplines of Engineering to 23 students
- Researched and presented modern technological advancements and possible impacts to a class of 20+ students

SKILLS, INTERESTS AND AFFILIATIONS

Skills: AutoCAD, Civil3D, Python, HTML, CSS, Javascript, QGIS, MS Office Suite, Spanish (Fluent)

Interests: Rock climbing, European sword fighting, 3D printing

Affiliations: Society of Hispanic Engineers (SHPE), Gates Scholar, Kessler Scholar, HSF Scholar