

Gwendolyn Simon

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EDUCATION

Cornell University, Ithaca, NY

August 2024 - Present

Candidate: Bachelor of Engineering, Mechanical Engineering

Horace Mann High School, New York, NY

September 2019 - June 2024

Prep for Prep, New York, NY

June 2018 - September 2019

A highly selective leadership development program that includes a rigorous 14-month long academic component that prepares students for placement in leading independent schools and continues to work with them through middle school, high school, and onward

RELEVANT EXPERIENCE

Cup Robotics Member, Ithaca, NY

November 2024 - Present

Cornell University

- Utilized 3D models to develop prototypes and final products developed to help learning robotics and coding for public use by students in K-12 STEM programs
- Cooperated with other members and leadership to make individual products cohesive with the original design to make a unique brand
- Reviewed by senators who were interested in product implementation in schools on 20 states

Mechanical Engineering Intern, Remote

May 2025 - August 2025

Tyger Fit Labs

- Designed and fabricated multiple product prototypes using 3D modeling software and 3D printing technologies
- Collaborated with cross-functional team members to refine hardware and software systems, improving data collection accuracy and enhancing consumer usability

Intern, New York, NY

June 2024 - August 2024

Fairleigh Dickinson University

- Assisted in research to optimize the creation of an injection molder for the purposes of recycling plastic
- Coordinated with a managing director and coworkers to create a 3D model of an injection molder and to purchase materials to make an injection molder

Curriculum Designer, New York, NY

October 2021 - March 2024

Prep for Prep

- Taught elementary students math lessons that increased their understanding while also effectively managing their social-emotional issues about test-taking and increasing their confidence in test-taking
- Independently lead small group tutoring sessions with elementary and middle schoolers to better their Independent School Entrance Exam test scores
- Teamed with math teachers to develop Google Slides presentations to break down contents such as algebra, geometry, and data visualization while keeping students engaged

Intern, New York, NY

June 2023 - August 2023

J.P. Morgan Chase

- Coordinated with a managing director to create weekly and monthly reports displaying a change in metrics allowing for easy comparison
- Communicated with a wider team of employees to recognize and correct errors made in the used CORE system to optimize system efficiency

Master Electrician, New York, NY

September 2021 - June 2024

Horace Mann Stage Crew

- Charged with supervising eight crew members of the Horace Mann Stage Crew for all high school and middle school theater productions totaling to 15 productions
- Trained approximately 30 stage crew members on lighting procedures yearly to ensure a successful production
- Responsible for timely and accurate lighting development for over 40 theater and school events

EXTRACURRICULAR ACTIVITIES

Cornell University, Ithaca, NY

- Recreational Fencing Team
- Lighting Design

SKILLS AND INTERESTS

Computer: Proficient in Google Suite (Advanced), OnShape (Advanced), Fusion 360 (Advanced), Python (Intermediate)

Interests: Baking, Drawing, Puzzles, Reading