

Connor Moroney

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA
Bachelor of Science in Electrical and Computer Engineering; May 2028
Additional Major: Engineering and Public Policy
Overall GPA: 3.73/4.0

Paul D. Schreiber High School, Port Washington, NY June 2024
Overall GPA: 4.0 / 4.0
Relevant AP Courses: AP Calculus BC, AP Physics C Mechanics + Electricity and Magnetism, AP
Computer Science Principles, AP Statistics

Honors

National Merit Commended Scholar, AP Scholar with Distinction, Excellence in Calc BC Award,
Jonathan Harris Memorial Award for Excellence in American History

Relevant Courses

Electrical and Computer Engineering, Intro to Engineering and Public Policy, Linear Algebra and Vector
Calculus, Fundamentals of Programming, Principles of Imperative Computation

SKILLS

Programming Languages (ordered by proficiency): Python, C, Matlab, HTML
Math: Linear Algebra, Calculus 1-3, Physics 1&2
Software & Tools: Github, Microsoft Office, LaTeX

Project Experience

Fundamentals of Programming Term Project October-December 2024
- Implemented pseudo-3D first person shooter game in Python using raycasting

RESEARCH EXPERIENCE

Math Research (2021-2024)

- 12th Grade: *Statistical Estimation of CVaR using Support Vector Regression*
- 11th Grade: *Creating a Machine Learning Model to Determine Factors That Influence Inflation*
- 10th Grade: *Using A Cellular Automaton Model To Determine How Traffic Is Affected By The Number Of Lanes*

LEADERSHIP

Science Olympiad 2023-2024
Paul D. Schreiber HS, Port Washington, NY

- Led HS team, handling organization, tryouts, weekly meetings with students and teachers
- Competed in invitations, regional, and state competitions during school year

ACTIVITIES

All University Orchestra, Carnegie Mellon University August 2024-present
Science Olympiad, Carnegie Mellon University August 2024-present
Science Olympiad, Paul D. Schreiber HS 2020-2024
Children's Orchestra Society September 2016-June 2024