

Brendan Raykoff

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Berkeley, CA

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Education

University of California, Berkeley – Expected Graduation May 2029

Berkeley, CA

- *Bachelor of Science in Aerospace Engineering*
- 4.0 GPA
- Activities: Berkeley Formula Racing (General Member)

Worcester Polytechnic Institute – August 2024

Worcester, MA

- Completed *Physics: General Mechanics (1110)* through the Summer Session program

Carnegie Mellon University – August 2023

Pittsburgh, PA

- Completed *Imperative Computer Science (15-122)* and *Linear Algebra (21-241)* as a Summer Session student

East Catholic High School – Graduated May 2025

Manchester, CT

- 4.8 GPA, 1520 SAT, 34 ACT
- 4x Honor Roll with Distinction
- Relevant coursework: AP Calculus BC (5), AP Computer Science A (5), AP Chemistry (4), AP Biology (4)

Experience

University of Connecticut, Department of Civil and Environmental Engineering –

Research Intern | June 2024 - May 2025

- Collaborated with a graduate researcher to process, validate, and visualize datasets for NASA's IMPACTS project on Atlantic Coast snowstorm microphysics
- Utilized Python (Pandas, NumPy, Matplotlib) to visualize, quality control, and analyze data for a publication to NASA Earthdata

East Catholic High School, FIRST Robotics Competition Team – Team Captain |

August 2021 - May 2025

- Led a 25-member team in developing a competitive robot for the international FIRST Robotics Competition
- Implemented control algorithms (PID, localization, sensor fusion, computer vision) in Java
- Contributed to the team's qualification for the World Championship event three times

Technical Skills

Programming: Python (NumPy, Matplotlib, Pandas), Java, Machine Learning, Git, Linux

Data Analysis: Microsoft Excel, Google Sheets