

Camille Eckert

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Education

Cornell University, College of Engineering
Bachelor of Science, Mechanical Engineering

Ithaca, NY
expected May 2028

- Cornell Baja Racing, Cornell Daily Sun, Engineering Peer Advisor, Physics Learning Assistant.

The Winsor School

Boston, MA

GPA: 3.9 ACT 35

class of 2024

- Student Government Class Representative and Vice President, Captain of the Business Team on FIRST Robotics Team, Stage Manager for school plays/musicals, Varsity Tennis and Volleyball.

Relevant Experience

Cornell Baja Racing

Frame Subteam Member

November 2024 - Present

- Working with team of 50 peers to design and build an off-road vehicle for triennial competition.
- Currently developing engine subframes and welding fixtures for 2025-2026 vehicle.
- Designed and fabricated thermoplastic body panels to ensure driver safety during competition while also creating custom livery to display sponsors and custom team branding.
- Applied static analysis to vehicles by studying wheel slip, vehicle testing, and limited slip differentials.

NASA L'SPACE Mission Concept Academy

Project Manager

June - August 2025

- Virtual NASA workforce preparation academy dedicated to teaching space mission concept formulation through science, engineering, programmatic, and teaming skills.
- Followed the NASA mission life cycle, up to submission of a Preliminary Design Review for a Martian Rover.
- Managed a team of 20 students including leading weekly meetings, task distribution and progress checks, maintaining consistency across deliverables, and managing the team's document organization.

The Winsor School

Airfoil Efficiency Research

May - June 2024

- Worked closely with an Air Force instructor to research and analyze multiple aircraft wing designs, exploring their performance characteristics and engineering considerations.
- Utilized Fusion 360 and MathWorks to design and 3D print airfoils, constructed a wind tunnel to test and analyze their lift performance, and created AP Physics activities for future classes

Tufts University Robot Locomotion and Biomechanics Laboratory

Mechanical Engineering Intern

June - August 2023

- Designed, tested, and iteratively modified swarm robots to navigate and overcome various obstacles, enhancing their autonomous functionality.

Wooqer

Brand and Perception Intern

June - August 2023

- Part of the marketing team developing the U.S. media strategy for this India-based SaaS company.
- Contacted 100 prominent journalists, tech influencers, and academics to initiate outreach efforts.

Leadership

The Longfellow Tennis Club

Tennis Instructor and Front Desk Manager

September 2021 - September 2024

The Immigrant Learning Center

Youth Board Secretary

April 2022 - September 2023

Skills

Technical: SOLIDWORKS, Siemens NX, Fusion360, Ansys, TIG Welding, 3D Printing, Python, C++, Microsoft Excel, Adobe Creative Cloud.

Non-Technical: Photography, Graphic Design, basic knowledge of written and spoken Spanish.