

# Bennett Wehibe

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## Education

### Cornell University Sibley School of Mechanical and Aerospace Engineering

Bachelor of Science in Mechanical Engineering with Business Minor for Engineers // GPA: 3.655

Ithaca, NY

Class of 2028

**Relevant Courses:** Dynamics\*, Statics and Mechanics of Solids, Thermodynamics, Electromagnetism, Differential Equations, Linear Algebra\*, Calculus I, II, and III, Intro to Nanotechnology, Financial Accounting (\*Currently Enrolled)

## Professional Experience

### STEM Learning Facilitator (Volunteer); Lancaster Science Factory; Lancaster, PA

June 2020 - August 2024

- Maintained and implemented hands-on exhibits illustrating force, motion, and material behavior, allowing children to visualize physics fundamentals through lever systems, pulley assemblies, and rotational mechanisms.
- Demonstrated to over 15 students weekly the importance of structural integrity through constructing structures on an earthquake simulator and demonstrating sustainable energy generation through an interactive dance floor activity.
- Translated complex mechanical and energy principles (such as building K'nex race cars to explore elastic potential energy) into age-appropriate, inquiry-based lessons, fostering curiosity and problem-solving skills.

### Retail Operations & Assembly Associate; West Elm Furniture Store; Lancaster, PA

June 2025 - August 2025

- Applied mechanical assembly and material-handling skills to construct, inspect, and move around 25 furniture systems with precision each day, ensuring alignment with design blueprints and quality standards.
- Managed component inventory and optimized workflow layout, improving efficiency and minimizing material waste in the assembly and staging process.
- Supported cross-functional operations between assembly, logistics, and customer service, reinforcing process reliability and user-centered design principles.

## Leadership Experience

### Cornell University Varsity Soccer Team (NCAA Division 1)

August 2024 - Current

- Devote 20+ hours weekly to practices, lifts, competitions, and team meetings, developing leadership, teamwork, and time management skills that contributed to the team's 2024 and 2025 NCAA Tournament Second Round appearance.
- Selected as one of three sophomores to represent the men's soccer program in Cornell's Leaders 2 Leaders initiative – a cross-sport leadership program emphasizing communication, accountability, and mentorship.

### Adaptive Sports Mentor (Volunteer); TOPSoccer Program; Lancaster, PA

June 2020 - August 2025

- Guided 30+ children with disabilities in developing soccer fundamentals through inclusive, adaptive, and engaging activities, promoting skill growth and enjoyment of the game.
- Spent 45+ hours fostering teamwork, confidence, and community involvement by creating a supportive environment that encouraged collaboration, perseverance, and self-expression on and off the field.

## Project Experience

### Business Subteam Member; Cornell Hyperloop; Ithaca, NY

February 2026 - Current

- Lead corporate sponsorship outreach by identifying prospective partners, crafting tailored pitch materials, and conveying the team's technical and competitive value proposition to secure financial support.
- Develop and execute external engagement initiatives, including industry networking events and promotional campaigns, to expand the team's professional network, increase visibility, and strengthen relationships with stakeholders.

### Nanotechnology Research

August 2024 - December 2024

- Designed photolithography masks and executed micro-scale pattern transfer and etching using advanced cleanroom fabrication methods.
- Constructed inductive circuits and resistors to build a crystal radio, applying principles of electromagnetism and energy transfer.
- Synthesized and characterized nanomaterials (carbon nanotubes, quantum dots) using STM and AFM to study material behavior and fluid dynamics.

**Technical Skills:** Programming - Python, Java, MATLAB || Fabrication - 3D Printing, Autodesk Fusion || Analysis - Excel, Microscopy (STM, AFM)