Madeleine Vercher

Tampa, FL | 727-871-2911 | msv36@cornell.edu | Linkedin

Education

Cornell University, College of Engineering, Ithaca, NY   Expected May 2027
Bachelor of Science, Mechanical Engineering, Dyson Business Minor for Engineers
GPA: 3.27, Spring 2025

*Relevant Coursework***:** Fluid Mechanics, Statics and Mechanics of Solids, Python, Mechanical Design, System Dynamics, Mechanics of Engineering Materials, Organizational Behavior, Financial Accounting

Professional Experience

Teaching Fellow, *Cornell University*, Remote   January 2025 - Present
- Lead discussions and office hours for high school students in ENGRI 1165: Climate Change and You, The Engineer
- Facilitate weekly Zoom sessions, grade assignments, and provide academic support to help students gain college-level experience and credit

Autodesk Design and Make Ambassador, *Autodesk*, Remote   September 2024 - Present
- Promote Autodesk software and 3D printing on the university campus through monthly workshops, weekly Zoom sessions, and tabling events
- Create social media posts to advertise career opportunities and events in STEM

STEM Instructor, *Lavner Education*, Washington D.C.   May 2024 - August 2024
- Facilitated lessons in coding languages (Python, LUA), 3D printing, and robotics to classes of 6-14 year olds, communicating with parents on a daily basis on student performances
- Collaborated with the manager regarding scheduling and inventory needs, and documented incident reports with human resources

Ride Operator, *Busch Gardens*, Tampa, FL   April 2023 - July 2023
- Operated roller coaster rides, ensuring all safety regulations and protocols were followed
- Completed training and manual readings for 7 rides to be qualified to operate machinery

Leadership Experience

Vice President of Learning and Development, *Kappa Delta*, Ithaca, NY   May 2025 - Present
- Coordinate academic and leadership development initiatives for chapter members
- Manage chapter systems and bylaws to support accountability and growth

Secretary, *Big Red Bears*, Ithaca, NY   December 2024 - Present
- Coordinate events for Cornell's mascot, ensuring smooth operations and effective communication with event organizers
- Keep track of member participation throughout the semester, confirming they are in good standing

Skills

Technical Skills: AutoCAD, Fusion, Product Development & Prototyping
Programming Skills: Python, LUA, MATLAB, Excel
Certifications: Autodesk Inventor (2021)
Language: Spanish (Advanced)