

Mia Paz

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OBJECTIVE

Seeking a Summer 2026 internship to contribute to innovative and sustainable energy solutions through hands-on experience in mechanical design, process improvement, and project development.

EDUCATION

Cornell University, College of Engineering, Ithaca, NY

Expected May 2027

Bachelor of Science in Mechanical Engineering | GPA: 3.365

Completed coursework: Dynamics, Thermodynamics, Fluid Mechanics, System Dynamics, Statics and Mechanics of Solids, Intro to Mechanical Design, Differential Equations, Linear Algebra, Intro to Computing Using Python, Physics II

WORK EXPERIENCE

Intern, Reytec Construction Resources, Inc.

May - August 2024, May - August 2025

- Conducted site visits to major infrastructure projects, gaining exposure to waterworks systems and construction methods
- Verified construction work orders by cross-checking material usage, costs, and photos, ensuring accuracy in reporting
- Identified and resolved discrepancies in submitted data by communicating with contractors and city officials
- Updated company spreadsheets and municipal databases to ensure alignment with verified job details, improving process efficiency

ORGANIZATIONS / LEADERSHIP

Cornell Autonomous Bicycle Team

Mechanical Team Lead

2024 - present

- Advance expansion of team from building autonomous bicycles to building other autonomous projects
- Lead team members to build skills in CAD, 3D printing, prototype testing, Arduino coding, and circuitry in projects for 6+ hours per week
- Conceptualize design of autonomous quadrupedal robot dog testing methods to validate functionality of leg parts
- Optimize material selection to reduce costs while meeting design requirements

Cornell Society of Women Engineers Member

2023 - present

- Participate regularly in professional development workshops and networking events with industry leaders

Thread Magazine Design Team Member

2023 - present

- Designed and built sets for photoshoots and magazine covers, collaborated with other teams in weekly meetings

Girls Code It Club Director of Education and Art

2020 - 2023

- Planned and advertised monthly guest speaker events, competitions, and coding workshops

AWARDS / ACHIEVEMENTS

- 1st Place, Cornell Introduction to Mechanical Engineering DC Motor Car Competition (2023)
- Cornell James E. Rice, Jr. Award for writing nomination (2024)
- Houston Livestock Show and Rodeo School Art Auction Winner, auctioned for \$160,000 (2023), \$18,000 (2022) and \$11,000 (2021)
- Oil Painters of America Art Competition 2nd place winner, art displayed and sold in national exhibition (2023)

SKILLS

- CAD, 3D printing, soldering, laser cutting, fine arts, Microsoft PowerPoint, Excel, conversational fluency in Chinese