

# Camila Pazos.

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Portfolio: [www.camilapazos.com](http://www.camilapazos.com)

Motivated Mechanical Engineering student with a track record in innovative product development and effective leadership. Experienced in global project collaboration and leveraging advanced manufacturing techniques. Awarded first place in an internship-wide innovation competition. Passionate about driving transformative solutions in mechanical design and manufacturing.

## EDUCATION

**University of Pennsylvania School of Engineering and Applied Sciences** August 2021– May 2025

GPA: 3.73/4.00

- BSE in Mechanical Engineering and Applied Mechanics | Relevant Coursework: Product Design, Mechanics of Materials, Fluid Mechanics
- Awards: American Society of Mechanical Engineers Award, Dean’s List Freshman Year

## PROFESSIONAL EXPERIENCE

**Engineering Intern, Whirlpool Cooking Free Standing Ranges Thermal/Chassis Team** May 2023 – August 2023

St. Joseph, MI

- Collaborated with thermals team, gaining expertise in UL/ANSI thermal codes and instrumentation
- Conducted baseline assessment of existing cooling system in free-standing ranges
- Generated new cost-saving concepts for cooling system with projected \$261K yearly savings
- Tested the effectiveness of concepts through decision matrices, prototyping, Six Sigma principles, and CAD analysis
- Conducted risk analysis and testing for an additional \$207K annual cost-saving initiative
- Received first place in an internship-wide innovation competition working in a cross-functional team

**Teaching Assistant, Machine Design and Manufacturing** August 2023 – Present

University of Pennsylvania

- Led a section of ~8 students teaching the basics of precision machining (bandsaw, 3-axis mill, lathe, CNC)
- Evaluated student assignments ranging from manufactured parts to Solidworks submissions
- Developed course curriculum alongside professor and fellow teaching assistants

**Machine Lab Assistant, Precision Machining Laboratory** August 2023 – Present

University of Pennsylvania

- Supervised the University of Pennsylvania’s MEAM Labs space
- Assisted with the maintenance of the machines and equipment within the laboratory
- Educated students on equipment, safety procedures, and inventory in the space
- Maintained inventory of components and equipment used by lab courses

**Teaching Assistant, Introduction to Mechanical Design** August 2022 – Present

University of Pennsylvania

- Led a section of ~16 students, teaching SolidWorks, prototyping, 3D printing, and laser cutting
- Achieved exceptional results as a student, getting the position as a recommendation from a former teaching assistant
- Provide consistent support to students through weekly office hours, aiding with exercises and projects

## LEADERSHIP EXPERIENCE

**President, American Society of Mechanical Engineers at UPenn** January 2023 – January 2024

**Vice President of Internal Affairs, Society of Women Engineers at UPenn** August 2023 – Present

**Executive Board Advisor, American Society of Mechanical Engineers at UPenn** January 2024 – Present

**Recruitment Chair, Alpha Omega Epsilon Beta Epsilon Chapter** August 2022 – December 2023

**Founder and Volunteer, HW Relief Non-Profit** July 2020 – August 2021

## SKILLS & INTERESTS

### TECHNICAL SKILLS:

- Mechanical Design SolidWorks Associate Certificate
- Rapid prototyping
- Creo working proficiency
- Machining (Mini Mill, Lathe)
- Java
- Rhino
- 3D printing
- Adobe Suite
- Laser cutting
- Final Cut Pro

**LANGUAGES:** English; Portuguese; Spanish (proficient); Brazilian Sign Language (beginner)

**INTERESTS:** Mechanical Design, Product Design, Prototyping, Website Design, Manufacturing, Product Cycle