

Maya Lorenzo

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EDUCATION

Tulane University

New Orleans, LA

Bachelor of Science in Engineering, Major: Engineering Physics, ABET Accredited

Graduation Date: June 2025

Certificate: Mechanical Engineering

Honors: Tulane Merit Scholarship (\$64,300), Tulane Donor Scholarship (\$3,000 per year)

Relevant Coursework: Fluid Mechanics, Materials Sciences & Engineering, Thermodynamics, Manufacturing Processes

RELEVANT EXPERIENCE

Veolia Water Technology & Solutions

Leonia, NJ

Project Engineering Intern

May 2024 – August 2024

- Contributed to water treatment system design, ensuring compliance with industry standards
- Worked with teams to improve project workflows, reducing completion time
- Assisted in project coordination, helping deliver projects on time and within budget.

Xerox Corporation

Webster, NY

Mechanical Design Intern

June 2023 - August 2023

- Tested motors on iGen printer photoreceptor module
- Collaborated with an interdisciplinary team to find and design ways to reduce production and manufacturing costs
- Managed two project loads effectively

PROJECT EXPERIENCE

Truss Bust

March 2022 – May 2022

- Combined statics and physics principles with rapid iteration skills to build a truss with laser-cut wood
- Utilized Inkscape to design, test, and construct truss parts
- Iterated through several design models to improve on max load
- **Awards:** Most Accurate Calculations

Flicker, Automatic Light Switch

August 2022 – December 2022

- Worked in a group to brainstorm ideas to make simple, cost-efficient alternative to smart lights
- Used Fusion360, Arduino, and Inkscape to create three prototypes before the final assessment
- Successfully made a device able to receive wireless commands from a phone app

PROFESSIONAL AFFILIATIONS

Society of Women Engineers

New Orleans, LA

Treasurer

April 2023 – Present

- Manage and track \$10,000+ budget for the year with monthly expense reports for the school
- Work closely with the President to make the itinerary for the national conference trip

Theta Tau Professional Engineering Fraternity

New Orleans, LA

Professional Development Chair

April 2024 – Present

- Organized and led workshops to enhance members' professional skills and career readiness.
- Fostered networking opportunities by coordinating events with industry professionals.

National Society of Black Engineers

New Orleans, LA

Secretary

April 2024 – Present

- Managed meeting agendas and minutes, ensuring effective communication within the chapter.
- Coordinated events and activities, supporting the chapter's academic and professional development goals

SKILLS

Proficient Software: Microsoft Office, Inkscape, Latex (Overleaf), Autodesk Fusion360

Beginner Software: HTML & CSS, SQL, MATLAB, Python, C++

Technical: 3D printing, Rapid Printing & Prototyping, Metal & Wood Shop Tools, CNC Mill, Water Jet, CNC Lathe

Language: American Sign Language (conversational)

Personal Interests: Sports, Music, Sneakers