

Maya Lorenzo

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EDUCATION

Tulane University

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

New Orleans, LA

Graduation Date: June 2025

Certificate: Mechanical Engineering

Honors: Tulane Merit Scholarship (\$59,000), Tulane Donor Scholarship (\$3,000 per year)

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

RELEVANT EXPERIENCE

Xerox Corporation

Mechanical Design Intern

Webster, NY

June 2023 - August 2023

- Tested motors on iGen printer photoreceptor module
- Collaborated with interdisciplinary team to find and design ways to reduce production and manufacturing costs
- Managed two project loads effectively
- Learned how to maneuver the intricacies of the product end-of-life process

Jersey City Housing Authority

Intern

Jersey City, NJ

June 2021 - August 2022

- Worked in data analysis in the purchasing and procurement department
- Consolidated the last 4 years of data into spreadsheets
- Showed trends in inventory usage using data
- Reconciled expired equipment to update the inventory logs

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 in order 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 final assessment
- Successfully made a device able to receive wireless commands from a phone app
- Experienced the engineering design process

PROFESSIONAL AFFILIATIONS

Society of Women Engineers

Treasurer

New Orleans, LA

April 2023 – Present

- Manage and track \$10,000+ budget for the year with monthly expense report for school
- Complete financial report for Society of Women Engineers National Board
- Work closely with the President to plan itinerary for national conference trip

Theta Tau Professional Engineering Fraternity

Member

New Orleans, LA

April 2023 – Present

National Society of Black Engineers

Senator

New Orleans, LA

September 2022 – Present

SKILLS

Proficient Software: Microsoft Office, Inkscape, Latex, Fusion360

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

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