

# Maya Lorenzo

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## EDUCATION

### **Tulane University**

New Orleans, LA

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

Graduation Date: Spring 2025

Certificate: Mechanical Engineering

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

**Relevant Coursework:** Electric Circuits, Materials Sciences & Engineering, Thermodynamics, Mechanics of Materials

## RELEVANT EXPERIENCE

### **Xerox Corporation**

Webster, NY

*Mechanical Design Intern*

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**

Jersey City, NJ

*Intern*

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

## PROFFESIONAL AFFILIATIONS

### **Society of Women Engineers**

New Orleans, LA

*Treasurer*

April 2023 – Present

- Manage and track \$5,000+ budget for the year with monthly expense report for school
- Complete financial report for Society of Women Engineers National Board
- Work closely with President to plan itinerary for national conference trip

### **Theta Tau Professional Engineering Fraternity**

New Orleans, LA

*Member*

April 2023 – Present

### **National Society of Black Engineers**

New Orleans, LA

*Senator*

September 2022 – Present

## SKILLS

**Proficient Software:** Microsoft Office, Python, Inkscape

**Beginner Software:** HTML & CSS, SQL, MATLAB, Fusion 360

**Technical:** 3D printing, rapid printing & prototyping

**Language:** American Sign Language (conversational)

**Personal Interests:** Sports, Music, Sneakers