

Raul Luzardo

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EDUCATION

The University of Texas, Cockrell School of Engineering

Bachelor of Science in Mechanical Engineering

Expected Graduation: May 2027

Austin, TX

GPA 3.10

EXPERIENCE

Tenaris – McCarty, TX

May 2025 – Aug 2025

Internship – USA Environment

- Implemented process improvements projected to save \$190K annually and reduce hazardous waste volume and environmental impact by 85%.
- Designed and documented a neutralization and metal precipitation system to treat waste prior to disposal, eliminating most hazardous waste transport.
- Utilized CAD modeling software to produce system layouts, material lists, and cost estimates.
- Partnered with chemical lab teams and engineers to validate process functionality and ensure operational feasibility.

Villa Sports and Resort – The Woodlands, TX

May 2023 – July 2023

Aquatics Supervisor

- Previous positions as a seasonal lifeguard March/2022, and May/2022 - Aug/2022
- Supervised and managed a team of lifeguards to ensure continuous safety coverage for the resort's aquatic department.
- Maintained professional communication with customers to address inquiries, resolve concerns, and manage pool-related situations.

Sagax Auto Repair – Conroe, TX

Mar 2023 – May 2023

Mechanic Assistant

- Supported the lead mechanic by performing essential repair tasks, such as cleaning and preparing vehicle components, while also assisting with the precise disassembly and reassembly of vehicles in adherence to established procedures.
- Provided critical support to streamline daily operations and ensure the smooth functioning of the repair shop.

EFTA Internship, Huntsman Corporation – The Woodlands, TX

May 2022 – Aug 2022

Mechanical Engineering Roles in Petrochemical Plants

- Explored mechanical engineering career roles with a focus on project management and safety protocols in petrochemical environments.
- Analyzed critical equipment such as heat exchangers and pumps, emphasizing operational efficiency and maintenance strategies. Establish in-depth knowledge of the field of study.

LEADERSHIP

UT Society of Hispanic Professional Engineers – Austin, TX

Aug 2025 – Present

Leading Hispanics in STEM

- Participated in professional development workshops, networking events, and mentorship programs to strengthen technical, leadership, and career skills in engineering.
- Connected with a diverse community of Hispanic engineers and industry partners to promote representation in STEM.

Texas Wranglers – Austin, TX

Feb 2024 – Present

Maverick Class Spring 2024

- A community service and social organization affiliated with the University of Texas at Austin that uphold three pillars: leadership, scholarship, and athletic ability, also serve as the designated spirit group for the Texas Men's Basketball Team.
- Volunteered 120+ hours of community service for a non-profit that provides services for people with disabilities.

ADDITIONAL INFORMATION

Computer Skills: Microsoft 365, SolidWorks, Java, Python, Html & CSS, and Sketchup: (Intermediate).

Certifications: Red Cross CPR/AED and Basic First Aid

Languages: Fluent in English & Spanish