

# Maria Mercado

College Station, Texas | mmariaa1453@tamu.edu | (832) 528-4612

## EDUCATION

---

### Texas A&M University

College Station, Texas

BS Chemical Engineering | Second Year | GPA: 3.625

Expected Graduation Date: December 2025

### Grand Oaks High School

Spring, Texas

Summa Cum Laude

May 2022

## EXPERIENCE & ACTIVITIES

---

### Python Checkers Game Development

December 2022

- Collaborated with a team of four to design and develop a functional checkers game using Python.
- Used teamwork, creativity, and communication to create various aspects of the checkers game, including implementing the rules, creating the user interface, managing the gameplay logic, and finding a way to incorporate AI.
- Applied critical thinking and problem-solving skills to troubleshoot technical challenges and ensure smooth and error-free gameplay.
- Applied project management principles to organize tasks, set deadlines, and coordinate efforts among team members.

### American Institute of Chemical Engineers (AIChE)

August 2023 - Present

- Cultivated personal and professional advancement through the application of chemical engineering expertise.

### Volunteer Research

September 2023 - Present

- Contributed to research on the carboxylate platform for biofuel production, utilizing carboxylic acids and their derivatives as starting materials.
- Applied chemical processes to convert abundant natural resources into sustainable biofuels.
- Played a crucial role in data collection and record-keeping for ongoing experiments and projects.
- Demonstrated precision and attention to detail in accurately measuring data.
- Collaborated closely with senior and graduate researchers to ensure accurate and reliable data acquisition.
- Maintained organized and comprehensive records, contributing to the overall progress of research initiatives.

### Texas A&M Society of Hispanic Professional Engineers (SHPE)

September 2023 - Present

- Participated in workshops and conferences to enhance technical and leadership skills.
- Contributed to initiatives promoting diversity and inclusion in the engineering community.

## SKILLS & TRAITS

---

**Computer:** Basic Familiarity with MATLAB, and Python.

**Skills:** Project Management, Teamwork and Collaboration, Adaptability and Flexibility, Creativity, Culture Awareness, Problem-Solving Skills, Attention to detail, Strong Work Ethic.

**Languages:** English (Native), Spanish (Proficient).

**Interests:** Travelling, Cooking, Weight Training, Reading, Outdoor Exploration.