

Ana Cruz

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OBJECTIVE

Seeking an internship for Summer 2025 in Petroleum Engineering

EDUCATION

Texas A&M University, College Station, Texas

May 2027

Bachelor of Science in Petroleum Engineering

Cumulative GPA: 2.80/4.00

LEADERSHIP

Women in Robotics, Engineering, and Development (WIRED) AUV Team, College Station, Texas

Aug 2023 - Present

Public Relations Officer

- Built an autonomous underwater vehicle with 40 mechanical, electrical, & programming team members for the Robosub competition in Irvine, California
- Communicate with the WIRED Development Team for new opportunities to network with engineering companies
- Design catered social media art to promote the development of technical and leadership skills to female engineers

EXPERIENCE

NASA Texas High School Aerospace Scholar Program, Allen, Texas

Sept 2020 – June 2021

Project Engineer

- Delegated 20 tasks, such as assigning roles of researcher, designer, etc., for 8 team members using a Gantt chart
- Developed a prototype space lander for Artemis-themed missions that is designed to land anywhere on the Moon while in orbit in space by utilizing GIS, joint legs, and a thruster system
- Created a space-lander to launch itself safely from the moon's orbit, designed with Autodesk and SolidWorks, that uses a Geographic Information System

ACTIVITIES

Society of Petroleum Engineers (SPE)

Aug 2024 - Present

Member

- Collaborated with industry professionals to expand technical knowledge in the industry
- Contributed to planning events that enhance technical proficiency with the Technical Development Committee

Tactile VR Team - Undergraduate Aggie Research

Jan 2024 - Present

Undergraduate Aggie Research Scholar

- Researched programs on how to integrate tactile VR to incorporate mouse emulations for the blind and public
- Designed a CAD stylus model that uses a magnetometer to alter the magnetic field to draw on the Graphiti tactile display

Engineers Serving the Community (ESC)

Aug 2023 – May 2024

Member

- Designed ramps and bridges using SolidWorks for a charity project for residents of a house

SERVICE

WIRED AUV Team

Aug 2023 – Present

- Volunteer to shovel dirt and leave to clean the front yard for a resident in Bryan, Texas

The Institute for the Development and Education of Asian American Leaders (IDEAAL)

Aug 2022 – May 2023

- Volunteered to rake the leaves and plant trees for a resident in Bryan, Texas

AWARDS

Steven Holditch '69 Endowed Scholarship

May 2024

Aggie Research Scholar Certification

May 2024

Allen Foundation Sunrise Rotary Scholarship

May 2022

Red Cross High School Scholarship

May 2022

SKILLS/HOBBIES

- Played the violin for over 10 years and performed in orchestras for 6 years
- Earned a CPR/AED/First Aid Certification with the Red Cross