Isaiah Ramos

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EDUCATION

Texas A&M University | College Station, Texas Graduation Date: December 2027, 1 Summer
B.S. Petroleum Engineering Cumulative GPA: **3.3**
Petroleum Ventures Program Certificate
Geology Minor

EXPERIENCE

Straub Corporation | Pecos, Texas *May 2026 – August 2026*
Geoscience Field Intern

- Independently oversaw a water well development and disinfection, taking 50+ pH, conductivity, salinity, total dissolved solids, and temperature readings across jetting and chlorination to confirm stabilization and sanitation
- Entered and organized well log data across 100+ wells used for correlation in a subsurface projection under the project geologist
- Logged formation cuttings and rig operations across three water wells during mud rotary drilling and Triple-Combo wireline logging; tracked mud weight, Marsh funnel viscosity, and sand content per API RP 13B-2 to maintain borehole stability
- Supported well completion and acid stimulation: casing/screen, cementing, jetting, and surge-block development

Tarzan & Jane Travel Center | Stanton, Texas *May 2025 – August 2025*
Cashier and Stocker

- Worked flexible shifts up to 10 hours across mornings, afternoons, and nights, averaging $3,000 in transactions per shift

Harold Vance Department of Petroleum Engineering | Texas A&M University *March 2025 – May 2025*
Student Technician - Crisman Institute for Petroleum Research Website Restoration

- Rebuilt and enhanced content across 20+ webpages in WordPress/HTML, improving accessibility and theme consistency

RESEARCH

Surface Deformation Modeling | Delaware Basin *June 2026 – Present*
Independent Research | Joe B. Foster '56 Student Paper Contest

- Building two structural cross-sections across a Reeves/Pecos County study area through correlating well logs
- Integrating InSAR deformation, faults, TexNet seismicity, and SWD injection wells into a GIS base map, paired with a fluid mass balance model relating injection and production volumes to pressure change in the area of interest subsurface
- Comparing analytical and numerical FEM geomechanical models to quantify surface uplift and subsidence

Managed Pressure Drilling | Wolfcamp Kick Detection August 2025 – January 2026
Joe B. Foster '56 Student Paper Contest

- Minimizing false kick alarms during MPD connections by distinguishing ballooning from influx through surface techniques

ACTIVITIES

Society of Petroleum Engineers Texas A&M University Student Chapter
Internal Vice President *April 2026 – Present*

- Built an email management system for 1,200+ messages per quarter; member questions, meeting logistics, and draft approvals
- Led 53 directors across 23 committees for 800+ members through onboarding, check-ins, and expectations to track 130+ events

Merchandise Committee Co-Director *August 2025 – Present*

- Built fall and spring merchandise catalogs generating 200+ purchases and $2,000+ in revenue per semester

Website Committee Director *May 2024 – Present*

- Increased website traffic from last year by 40%, with 26,000 website views from 67 countries

Drillbotics Founding Member and Secretary *November 2024 – April 2026*

- Utilized Fusion 360 to collaborate with the mechanical development of the drilling system and prepared meeting notes

COMPLEMENTARY COURSES

Financial Modeling (A), Business Information Systems (A), Introduction to Business Finance (A), Sedimentology & Stratigraphy (B)

TECHNICAL SKILLS

ARIES (type curves), whitson+ (RTA training), SLB BlueView (log viewing), QGIS (Surface Mapping), Microsoft Office (Excel, Word), Autodesk Fusion 360 (CAD modeling), Python (OpenLab Drilling), SQL (Airtable databases), HTML5 (WordPress)

SERVICE

- St. Mary's Catholic Center and St. Joseph's Catholic Church Altar Server (850 hours) *May 2015 – Present*

AWARDS

Texas A&M Foundation Chevron Scholarship (May 2025) Dean's Honor Roll College of Engineering (December 2025)

HOBBIES

Aston Bonfire Crew, Cycling, Bowling, Pool, Calligraphy, Music Curation