

Oscar Lopez

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EDUCATION

Texas A&M University, Mays Business School
Master of Business Administration

College Station, TX
August 2027

Texas A&M University
Bachelor of Science in Mechanical Engineering
GPA: 3.6/4.0

College Station, TX
May 2026

EXPERIENCE

Energy Transfer

Mont Belvieu, TX

Project Manager - Intern, Engineering & Construction – NGL Projects

May 2026 – Aug 2026

- Led the scoping and cost estimation of a \$7.9M prospective Capital Project to accommodate an additional 145k barrels per month of Y-Grade via trucking for fractionation feed
- Collaborated across multiple teams, including system planning, operations, commercial, engineering, and contractors, to scope the new offloading operation, balancing flexibility with project feasibility
- Organized a Business Development Narrative for Commercial Reps outlining the project scope, estimate, assumptions, and risks considered to execute the project

Energy Transfer

Houston, TX

Project Engineer - Intern, SEC

Jun 2025 – Aug 2025

- Sized 5 reciprocating compressors using Ariel Software, optimizing 99% of available horsepower for all customer design cases, maximizing efficiency
- Deployed 14 compressor packages, each valued between \$2-\$4 million, ensuring timely and efficient project completion
- Documented weekly learnings and synthesized key projects and insights into a final presentation delivered to company leadership and fellow interns

LEADERSHIP & INVOLVEMENT

Bray International Capstone Team

College Station, TX

Research Lead

Aug 2025 – May 2026

- Engineered a PICV prototype from scratch, meeting precise HVAC specs within 5% steady-state accuracy
- Authored a prototype validation SOP to streamline testing and ensure data consistency
- Controlled project BOM and delivered budget variance reports to maintain costs <\$6000

BUILD

College Station, TX

Student Supervisor

Sep 2025 – Dec 2025

- Managed weekly volunteer teams in the modular conversion of shipping containers into deployable clinics
- Trained beginner participants to use power tools and learn building techniques for framing and finishing
- Enforced strict safety and quality control standards through site supervision and coaching

ASME Go-Kart

College Station, TX

Project Manager

Aug 2024 – Apr 2025

- Directed a 15-person team through the full lifecycle of a performance vehicle under a strict \$1200 budget
- Optimized project workflows with weekly hands-on workshops on welding, construction, and kart assembly
- Built an organized project schedule for fabrication, earning 2nd place in the final competition

SKILLS, ACTIVITIES & INTERESTS

Languages: Fluent in Spanish, Learning French

Technical Skills: SolidWorks, Fusion, AutoCAD, Python, MATLAB, Microsoft Office

Interests: Power Generation, Energy