

Sophia Montemayor

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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, College of Engineering

Bachelor of Science in Civil Engineering

GPA: 3.62/4.0

Honors: National Recognition Scholarship Recipient, 2026 HSF Scholar

College Station, TX

May 2026

EXPERIENCE

BGE, Inc.

Public Works Intern

San Antonio, TX

May 2026 – July 2026

- Led the development of a San Antonio Public Works cost database by organizing bid tabulation data, coordinating intern contributions, and building a Power BI database, improving the accuracy and efficiency of Opinion of Probable Construction Cost (OPCC) estimates.
- Performed drainage analyses of two existing curb inlets using OpenRoads Designer (ORD) to evaluate peak flow impacts from a proposed left-turn lane extension and determine the need for infrastructure improvements.
- Supported project submittals by reviewing plan sets and verifying quantities in Civil 3D.
- Documented project progress and observed field conditions during construction site visits, communicating findings to the project manager.
- Collaborated with engineers, contractors, and inspectors to document construction coordination meetings, track project updates, and summarize action items to support smooth project coordination.

Lina T. Ramey & Associates

Transportation Engineering Intern

San Antonio, TX

May 2025 – August 2025

- Worked closely with professional engineers to develop roadway plan sets, incorporate design revisions, and prepare submittals for multimillion dollar transportation projects.
- Contributed to the design of horizontal and vertical ramp profiles and utilized corridor modeling in ORD.
- Prepared OPCCs and assisted with contract time determinations to support accurate project budgeting and scheduling.

Transportation Engineering Intern

June 2024 – August 2024

- Designed more than twenty temporary shoring walls using GEOPAK for crossing drainage structures and bridge walls and produced corresponding plan and profile sheets.
- Reviewed roadway design sheets and incorporated redline revisions using Bluebeam to improve plan accuracy.

LEADERSHIP & INVOLVEMENT

Phi Sigma Rho – Engineering Sorority

Scholarship Director

College Station, TX

May 2024 – May 2025

- Developed academic programs and incentives to encourage member engagement and academic achievement.
- Managed study hour tracking for over 50 members through data automation using Excel and Google Forms.

SKILLS, ACTIVITIES & INTERESTS

Languages: Intermediate Spanish

Technical Skills: Python, Civil 3D, OpenRoads Designer, Bluebeam, Excel, Power BI

Certifications & Training: Engineer in Training (EIT)

Activities: Phi Sigma Rho, American Society of Civil Engineers, MSC Aggie Leaders of Tomorrow, Bryan Animal Center Volunteer