

Lucas Giammona

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EDUCATION

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

College Station, Texas
August 2027

Texas A&M University
Bachelor of Science in Mechanical Engineering
GPA: 3.81/4.0

College Station, Texas
December 2025

EXPERIENCE

Burns & McDonnell

Distribution Engineering Intern – Transmission & Distribution

Houston, Texas

June 2025 – May 2026

- Owned full project lifecycle for a 250-pole replacement initiative, from KMZ mapping and pre-design to coordinate with 50+ homeowners, design teams, and 20+ third-party vendors that generated future partnerships
- Built and rolled out a Monday.com project board for pole replacement designs, centralizing permit status, design specifications, and designer/reviewer assignments to streamline information for design teams
- Designed underground cable routing from a temporary substation to a CyrusOne data center, performing ampacity and cable pull testing to validate cable selection and compiling a bill of materials coordinating vendor cost and lead times

EMPACT Engineering

Electrical Distribution Analyst

College Station, Texas

June 2025 – May 2026

- Produced 50+ staking sheets as a contractor for Texas electrical cooperatives, classifying hundreds of overhead distribution units, informing project budgeting, bill of materials, and improving infrastructure reliability and resilience
- Developed TxDOT and transmission permits through AutoCAD, accurately detailing geographic, easement, and ground clearance specifications for new overhead distribution power construction, ensuring safety and compliance
- Engineered 3D structural models using Neara software to test structural loads and tolerances for overhead distribution designs, allowing for cross-functional collaboration with electrical co-ops to implement data-driven design solutions

Neptune and Company, Inc

Engineering Intern

Bozeman, Montana

May 2024 – August 2024

- Utilized GoldSim software to justify advanced time steps and plan for decommissioning of West Valley nuclear disposal site, and composed a supporting report featured in a waste management seminar
- Analyzed behavior of different radionuclides in environment surrounding West Valley, modeling dosage and exposure to surrounding communities and wildlife over a span of 6000 years
- Partnered with a 5+ person team to debug and improve an advanced probabilistic simulation model of nuclear waste exposure, ultimately decreasing likelihood and frequency of model errors and crashes

ADS Services

Technician Intern

Midland, Texas

May 2023 – August 2023

LEADERSHIP & INVOLVEMENT

Aggie Club of Engineers

Event Coordinator

College Station, Texas

August 2023 – May 2025

- Managed an approximately \$50,000 organizational budget
- Coordinated with multiple stakeholders, including vendors and venues, to schedule and plan networking and social events for 150+ people

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: SolidWorks (CAD & FEM), AutoCAD, MS Office Suite, Neara, Partner

Certifications & Training: Engineer in Training (EIT) License

Activities: Aggie Club of Engineers

Interests: Business Development, Application of Technology, Quantitative Analysis