

Josiah Thompson

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EDUCATION

Texas A&M University, Mays Business School College Station, Texas
Master of Business Administration August 2027

Texas A&M University, College of Engineering College Station, Texas
Bachelor of Science in Electrical Engineering May 2026

EXPERIENCE

AMP Engineering Tomball, Texas
Electrical Engineering Intern May 2026 – July 2026; May 2025 – August 2025

- Evaluated and designed medium and low voltage power distribution systems and infrastructure for approximately 10 industrial facilities to support projects from design to development, increasing team capacity.
- Created power distribution system documentation and drawings including one-line diagrams and facility layouts using AutoCAD and etap to decrease project documentation turnaround time.
- Modeled the area illuminance for three industrial client projects using Dialux accelerating workflows and reducing design hours and software research for the team.

Thompson's Landscaping Magnolia, Texas
Landscape Designer May 2019 – August 2023

- Surveyed and documented existing yard layouts for dozens of client outdoor improvements to ensure accurate new design BOM and layouts.
- Designed hardscape and plant layouts in CAD for projects to verify the architect's design to scale.
- Created 3D models of proposed landscaping improvement designs to help clients envision final service outcome to make an informed decision.

LEADERSHIP & INVOLVEMENT

Texas A&M University, Department of Electrical Engineering Senior Capstone College Station, Texas
DC Motor Control Project Team Lead August 2025 – April 2026

- Coded a motor control algorithm in C++ using Zephyr to implement a six-step commutation control algorithm on an STM32 microcontroller.
- Designed a microcontroller PCB using schematics from a prebuilt microcontroller and layout in Altium to specialize the motor controller on all custom hardware.
- Operated as the main point of contact for the team's communication with faculty, team sponsor, and other teams to ensure clarity with project expectations and deadlines.

Antioch Community Church College Station, Texas
College Section Leader May 2025 – Present

- Provided mentorship to four church leadership teams, supporting leadership development and effective management of communities totaling approximately 80 individuals.
- Coordinated 3 beginning of year events to increase networking and attendance of the church groups.

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: AutoCAD, etap, Python, C++, Dialux, Microsoft Office, Altium

Activities: Church Tech Volunteer (ProPresenter), Church group facilitating volunteer

Interests: Power Distribution, Motor control, Finance, Business Analytics, Engineering Management