

Brady Wood

(936) 207-8693 | bradywood04@tamu.edu | www.linkedin.com/in/brady-wood

EDUCATION

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

College Station, Texas
August 2027

Texas A&M University, College of Engineering
Bachelor of Science in Mechanical Engineering
Study Abroad: Aix-en-Provence, France

College Station, Texas
May 2026

EXPERIENCE

Mortenson
Field Engineering Intern & Mechanical Construction Coordinator

Wichita Falls, Texas
May 2026 – July 2026

- Led 21-person offloading operations across 3 teams, optimizing delivery timing to keep material flow on schedule
- Sourced 55% of site tracker and pile building materials (~\$7M) through a newly onboarded vendor, establishing a new supply relationship for the company
- Recovered from a 2-week pile delivery delay by building and executing a revised schedule, saving an estimated \$300,000 in equipment costs

Mortenson
Estimating Intern

Minneapolis, Minnesota
May 2025 – August 2025

- Self-launched a cable optimization project to algorithmically find the path of least resistance for Medium Voltage cable on solar farm sites, collaborating with Engineering, AI development, and Innovation teams
- Saved \$2,550,000 across 7 projects and reduced cable costs by 5% per project through MV optimization initiative
- Reduced Estimator's layout development time by 88% per project through developing new Python workflows

Biomechanical Environments Laboratories
Undergraduate Researcher

College Station, Texas
August 2023 – May 2024

- Heavily contributed to LVAD research with potential to improve surgery outcomes for 800+ patients annually
- Successfully created a circulatory flow loop to simulate human heart conditions using LabVIEW, compliance chambers, peristaltic pumps, oscilloscopes, flowmeters, manometers, and 3D-printed heart models
- Achieved 95% optical clarity through refractive index matching of 3D print SLA material and blood-mimicking fluid, sufficient to begin conducting particle image velocimetry (PIV)

LEADERSHIP & INVOLVEMENT

Karura Robotics
Executive Director of Business Operations

College Station, Texas
April 2026 – Present

- Founded and led the business division of a US-Japan robotics competition team, building financial infrastructure and directing a 14-person cross-functional team across finance, marketing, sponsorship, and engagement
- Secured \$23,300 in new sponsorship funding, managing initial outreach through proposal negotiation and signing
- Designed marketing and promotional materials in Adobe Creative Suite, growing social media following by 33%

TechnipFMC Senior Design Project
Prototype Team Lead / Purchase Manager

College Station, Texas
August 2025 – May 2026

- Designed and integrated a 362-part electromechanical assembly in SolidWorks CAD, incorporating actuators, sensors, and embedded control components while applying tolerance analysis and DFMA principles
- Reduced project expenditure by 47%, delivering a fully functional prototype for \$3.7k of a \$7k budget through strategic sourcing, procurement management, and coordination across 7 vendors, including 2 new suppliers
- Developed the project Work Breakdown Structure (WBS), managed cost accounting and purchasing activities, and maintained Gantt-based schedules to ensure on-time completion of all sponsor deliverables

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Project Management, SolidWorks, Python, Bluebeam, Project Scheduling, Estimating

Certificates or Trainings: Volunteer Advocacy training for the Sexual Assault Resource Center in Bryan, Texas

Activities: Aggie ASME, Aggie Habitat for Humanity, TAMU UNICEF, Leadership Director – SAIL

Interests: Long-distance training, weightlifting, cooking different cultural foods, international travel