Stephen Moses

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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 Station, Texas
Bachelor of Science in Mechanical Engineering — May 2026

EXPERIENCE

GEODynamics — Millsap, Texas
Mechanical Engineering Assistant — August 2023 – December 2025

- Assisted in developing and modelling plugs, subs, carriers, and loading tube designs for downhole perforating equipment
- Conducted ANSYS simulations to aid physical testing and support engineering design decisions
- Reverse engineered a downhole plug design to function at certain pressures, given new dimensions for well holes
- Initiated development of a new plug-setting tool design, investigating chemical charge volumes and resulting fluid pressure responses
- Aided in restructuring the shaped charge testing database for sales engineers to refer to past and present information when making sales

GEODynamics — Millsap, Texas
Mechanical Engineering Intern — June 2023 – August 2023

- Utilized SolidWorks to create and alter perforating gun designs by remodeling guns to fit new criteria needed for testing and machining
- Assembled and repaired complex equipment by replacing defective components and precision-soldering new wiring and electronics
- Took care of all new and remodeled part drawings for machining and testing, accelerating the engineer's throughput
- Worked with a technician to troubleshoot older electronic shooting panels diagnosing certain electrical failures for replacement

LEADERSHIP & INVOLVEMENT

Texas A&M University — College Station, Texas
3DPAC Competition Engineering Team Lead — August 2025 – May 2026

- Led a six-member mechanical engineering team in designing and assembling an entirely 3D printed RC plane
- Engineered and optimized a lightweight printed structure, reducing weight by 4.8 lbs. (61%) without compromising structural integrity or aerodynamics
- Coordinated with employers and sponsors to accommodate new project requirements and deliver modifications within specified time constraints
- Leveraged FEA tools for optimizing aerodynamic fluid flow and structural integrity of the aircraft mid flight
- Developed comprehensive project documentation to track progress and preserve key decisions, enabling future teams to efficiently build upon previous work
- Established individual project milestones to coordinate team responsibilities and ensure timely project completion

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Python, MATLAB, SolidWorks, Autodesk CAD, FEA
Activities: Motorcycle construction, reverse engineering parts for 3d printing, and volunteering at my high school's Vex robotics competitions
Interests: Computers, robotics, scuba diving, snowboarding, and motorcycles