

Peyton Woodlief

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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 Mechanical Engineering
Cumulative GPA: 4.00/4.00

College Station, TX
May 2026

EXPERIENCE

GE Vernova

Greenville, SC/Schenectady, NY

Wind Advanced Systems and Customer Engineering Intern

May 2026 – July 2026

- Developed an agentic pipeline for Technical Competitive Assessments reporting, reducing cycle time by >75%.
- Built a Customer Engineering Dashboard (SQL, Python, HTML, enterprise AI tools) with automated Redshift querying and deployment, cutting a 2-week reporting cycle to 1 day and eliminating 5 hours/week of manual work across commercial and engineering teams.

Wind Power Performance Engineering Intern

May 2025 – August 2025

- Increased reliability of the Power Performance Team's Node.js UI codebase using JavaScript/React by writing 150+ unit tests (22% of the test library) and updating JS functions to fix unlikely edge interaction cases uncovered during testing.
- Developed visuals for 7.6 million data points of turbine timeseries data using SQL and Python to update simulation techniques on future projects.
- Investigated and visualized aerodynamic stall and control parameters across three wind turbine products for the Aerodynamics team using SQL and Python, leading to significant future investment by the engineering organization.

Enduro Composites, a Hill and Smith PLC Company

Houston, TX

Operations and Engineering Intern

May 2023 – June 2023, December 2023, December 2024

- Built a searchable cross-reference tool spanning 26,000+ parts across five competitors utilizing Python and Excel to enable the Electronic Sales team to quote faster and win more orders.
- Built and launched Enduro's first direct/indirect carbon emissions reporting system across two sites, reporting to Hill and Smith's Head of Sustainability, and trained employees company-wide on monthly reporting procedures.
- Cross-referenced PO's and Invoices after an accounting software transition to recover ~\$200,000 in lost revenue.
- Completed loss of ignition and deflection testing for various FRP products for quality control and new R&D systems.

Texas A&M University

Aix-en-Provence, France

Faculty-Led Study Abroad

May 2024 – June 2024

- Contributed to a joint product design project with French and American students exploring materials and manufacturing techniques, performing stress calculations, and managing linguistic and cultural differences.

LEADERSHIP & INVOLVEMENT

Texas A&M FSAE Formula Electric

College Station, TX

Aerodynamics Subteam Member

August 2025 – May 2026

- Assisted the design, analysis, and manufacturing of aerodynamic systems for the Formula SAE Electric racecar, which placed 12th nationally, leveraging SolidWorks, STAR-CCM+, PDM, and HPRC.
- Served as the design engineer for the side aerodynamic elements and performed infusion layups for all CFRP body panels.

Texas A&M Club Ice Hockey Team

College Station, TX

Travel Officer

February 2023 – April 2025

- Led with the core officer team in coordination with various aspects of the University bureaucracy to maintain regular club operations and arrangements for team travel.

SKILLS, HONORS, ACTIVITIES & INTERESTS

Skills: *Proficient:* Python, SolidWorks, Microsoft Office Suite; *Basic:* SQL, JavaScript, STAR-CCM+

Honors: **President's Endowed Scholarship** – Texas A&M University, **Delano Dean's Scholar Award** – Texas A&M College of Engineering, **Valedictorian** – St. Thomas High School, **Eagle Scout** – Boy Scouts of America

Activities: TAMU Formula Electric, TAMU Club Ice Hockey, Pi Tau Sigma Engineering Honor Society, Big Event

Interests: Ice Hockey, Snow Skiing, Hiking, Backpacking, Traveling, Baking