

Avery Thatcher

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EDUCATION

Texas A&M University

B.S. Petroleum Engineering, GPA: 3.02, Major GPA: 3.31

College Station, Texas

May 2026

PROFESSIONAL EXPERIENCE

Dover Fueling Solutions

Mechanical Engineering Intern

Austin, Texas

June 2024 – August 2024

- Designed and built new advanced UL testing units to be used in the certification of products and designs.
- Programmed stepper motors, buttons, and switches using the Arduino IDE to create a control system for the power of an electrical system as well as the vertical movement of the system.
- Engineered 15 parts using SolidWorks to be used in the construction of the testing units.
- Assisted in the completion of 5 additional projects including the assembly of a gas dispenser, hose retraction system, and door locking mechanism.

Dover Fueling Solutions

Mechanical Engineering Intern

Austin, Texas

June 2023 – August 2023

- Designed and built an automated EV connector life cycle tester to be used in determining an optimal supplier of EV connectors and hoses.
- Modeled 10 parts using SolidWorks to be used in the building of the EV connector life cycle tester and assisted in updating out of date models for other products.
- Automated a stepper motor to continuously make a connection and disconnection to evaluate the lifespan of a connector.
- Facilitated frequent communication with various vendors to acquire necessary materials.

Meaux Better Lawn Care

Employee

Georgetown, Texas

June 2022 – August 2022

- Mowed lawns and landscaped for a small local business, averaging about 20 lawns a day.

LEADERSHIP & INVOLVEMENT

American Association of Drilling Engineers

Secretary

College Station, Texas

May 2023 – Present

- Coordinating the sharing of important information to the organization about events, meetings, and scholarships.
- Supporting and assisting the executive team and directors with any problems and/or needs.
- Involved in all AADE events and meetings.

Society of Petroleum Engineers

DVG Golf Tournament Committee

College Station, Texas

August 2022 – Present

- Planned and executed the annual DVG Golf Tournament, where 160 students and company representatives participated.
- Involved in many SPE events and consistently attend SPE meetings.

Northpoint Church

Camp 75 Coach

Cedar Park, Texas

December 2022 – July 2023

- Mentored a group of 6 team leaders during the churches' summer camp.
- Held weekly meetings about their teams' status and provided guidance.

Young Men's Service League

Life Skills Chair

Round Rock, Texas

August 2021 – August 2022

- Head of the life skills committee.
- Generated and presented important life skills crucial to a young man's success.

Philanthropy Chair

August 2020 – August 2021

- Head of the philanthropy committee.
- Located and reached out to many philanthropy opportunities in the local areas and presented opportunities for service to the organization.

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: 3-D Drafting Design, CNC Operator, Power Tools, Introductory Python and C++.

Certifications & Training: MS Office Certified (Word, Excel, PowerPoint), AutoDesk Inventor, AutoDesk REVIT.

Activities: Football, Golfing, Strength Training, Hunting.

Interests: Stock Market, Coding, Carbon Capture, Church.

Community Service: Brazos Valley Food Bank, The Big Event, Texas Humane Heroes, Central Texas Food Bank, Angel House Soup Kitchen.