

# Avery Thatcher

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## EDUCATION

### Texas A&M University

B.S. Petroleum Engineering, GPA: 3.02

College Station, Texas

May 2026

## PROFESSIONAL EXPERIENCE

### Dover Fueling Solutions

Austin, Texas

Mechanical Engineering Intern

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

Austin, Texas

Mechanical Engineering Intern

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10 parts using SolidWorks to be used in the building of the EV connector life cycle tester and assisted in updating out of date models for other products.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

Georgetown, Texas

Employee

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

College Station, Texas

President

May 2023 – Present

- Spearheaded the development and execution of organizational goals and annual strategic plans.
- Coordinated logistics, budgeting, promotion, and post-event evaluation to ensure event success.
- Served as the primary liaison between the organization and university administration, faculty, and external partners.

### Society of Petroleum Engineers

College Station, Texas

DVG Golf Tournament Committee

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

Cedar Park, Texas

Camp 75 Coach

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

Round Rock, Texas

Life Skills Chair

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.