

# Dean Murphy

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## Objective

Highly motivated petroleum engineer with field experience from multiple internships, leadership and teamwork experience as AADE and SPE President, and machine learning research experience. Seeking to gain additional field experience and apply technical knowledge and interpersonal skills to add value in an entry engineering role.

## Education

**Bachelor of Science in Petroleum Engineering, Petroleum Ventures Program Certificate** Est. Grad. May 2021  
Texas A&M University, College Station, TX GPA: 2.9

## Experience

**Drilling Operations Lead, Machine Learning Research Group, College Station, TX** 5/2020 to Present

- Led an interdisciplinary team in analyzing drilling dysfunctions using downhole data & machine learning.

**Well Data Lifecycle Analytics Intern, Peloton, Katy, TX** 5/2020 to 8/2020

- Utilized Python, SQL, Spotfire, and the Peloton Platform to analyze refractured wells for a large E&P client.
- Utilized Peloton's integrated data management solutions (Wellview, SiteView, RigView, ProdView) to create flow networks and databases for E&P clients.

**Petroleum Engineering Data Analytics Intern, Noble Energy & IHS Markit, College Station, TX** 8/2019

- Led a team in analyzing data trends in Tableau to create a field development strategy in the Avalon Shale.

**Drilling Engineering Intern, Southwestern Energy Company, The Woodlands, TX** 5/2019 - 8/2019

- Initiated and directed a safety stand-down with 3<sup>rd</sup> party pad cleanup crews, led a wellsite supervisor field meeting, and corrected safety violations in the field.
- Implemented solutions for cleanup operations that reduced costs by \$33K per pad - Over \$2.7MM total for 2020.
- Queried, visualized, and communicated data and data trends using Wellview, Spotfire, and Excel.

**Field Petroleum Engineering Intern, Southwestern Energy Company, Damascus, AR** 5/2018 - 8/2018

- Implemented a training program for pumpers and field hands to optimize plunger performance.
- Supported maintenance, echometer/LDAR, SIMOPS, artificial lift, and wireline production field teams by assisting with rigging up compressors, hammering pipe, dropping soap, detecting leaks, & calibrating meters.

**Structural Engineering Intern, Dally & Associates, Houston, TX** 6/2016 - 7/2016

## Leadership and Volunteering

**Texas A&M Society of Petroleum Engineers, President** 4/2020 to Present

- Further developed communication, leadership, and planning skills required to lead over 25 committees (~80 students) to coordinate over 150 events for the year and bring in over \$130,000 in sponsorship funds.
- Developed new sponsorship strategies that have resulted in brand new events and additional funding.

**Texas A&M American Association of Drilling Engineers, President** 4/2019 - 4/2020

- Lead 15 students in planning the first-ever Oil & Gas Technical Exhibition at Texas A&M, resulting in \$7000 in sponsorship from 8 companies, attendance of 80 students, and a 25% increase in membership.
- Developed communication, leadership, and planning skills required to lead 10 committees (~40 students) to coordinate over 90 events for the year and bring in over \$25,000 in sponsorship funds and over \$200,000 worth of free technical training.

**Texas A&M Pi Epsilon Tau (Petroleum Engineering Honor Society), Treasurer** 4/2019 to Present

- Implemented a virtual payment system for more efficient dues payments.
- Developed a sponsorship strategy and budgeted over \$10,000 to ensure suitable funding for events.

**Petroleum Ventures Program, Member**

- Completed senior-level business courses, interacted with industry leaders in energy and finance, collaborated on case-based projects involving real-world energy companies.

**Oil & Gas Global Network (OGGN), Student Outreach Committee Director**

**Titans of Investing, Junior '20 Team Member**

**Department of Petroleum Engineering, Senior Class Photo Coordinator**

**Big Event, Jobsite Leader**

## Key Awards and Achievements

**1<sup>st</sup> Place PETE Student Paper Contest (Section 2), 2020:** Won best-in-room for a presentation on refracturing analysis.

**1<sup>st</sup> Place Sales + Analytics Immersion Program, 2020** – Won 1<sup>st</sup> place out of ~30 teams for a business analytics case study.

**OPITO BOSIET, 2020** – Completed Basic Offshore Safety Induction & Emergency Training (Expires August 2024).

**RigPass, IADC, 2020** – Completed basic requirements defined by safety and training professionals in the drilling industry.

**Wild Well Lvl 1 IADC WellSharp Intro to Drilling, 2020** – Completed 16-hour course on fundamentals of drilling & well control.

**Extended Reach Drilling, K+M Technology, 2019** – Completed a 1-day course on Extended Reach Drilling Practices.

**Stuck Pipe Prevention, Intertek, 2019** – Completed a 2-day course on Stuck Pipe Prevention.