

William Blake Moore

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EDUCATION **Texas A&M University**, College Station, TX August 2017 – May 2021
Bachelor of Science in Mechanical Engineering Cumulative GPR: 3.97

EXPERIENCE **Texas A&M University Turbomachinery Lab**, College Station, TX August 2020 - Present
Undergraduate Research Assistant

- Assisted a graduate student in running and maintaining a test rig devoted to characterizing the dynamic responses of annular seals
- Extensively studied the principles of operation and design of annular seals
- Collected and processed data gathered from experiments on various seals and test conditions
- Monitored live oscilloscope data during testing to ensure the test rig did not become unstable
- Performed complete assembly and disassembly of the test rig including troubleshooting error codes and pressurized air leaks

ExxonMobil, Beaumont, TX June 2020 – August 2020
Cost Engineer Intern

- Created a tool to estimate all costs associated with scaffolding projects within 10% error through collaboration with contractors, coworkers, and other ExxonMobil sites
- Initialized development of a method to estimate fiber optic cable costs that included the creation of a prototype tool and a database of vendor quotes from multiple sites for future tool growth
- Developed skills including professional messaging and presenting, interpersonal communications in both a traditional and work-from-home setting, and techniques to grow professionally
- Led a virtual, intern team building exercise to build camaraderie among coworkers during the stressful times associated with COVID-19

Ureco USA, Eunice, NM May 2019 – August 2019
Operations Support Intern

- Strengthened skills such as taking precise, mechanical measurements, budgeting, sorting and categorizing thousands of lines of data using Microsoft Excel, etc.
- Operated and maintained expensive machinery, specifically a large laser etching label maker, to create numerous labels for various doors, boards, plant rigs, etc.
- Applied scholastic strategies regarding engineering design to plan, prototype, and complete a ladder programmed with an Arduino microcontroller, LED lights, and a keyboard
- Learned basic C/C++ coding concepts needed to program an Arduino microcontroller through online resources and beginners' courses
- Shadowed operators as they performed their daily duties involved with the enrichment of uranium including taking samples from the process stream, inputting data, and monitoring system critical gauges and sensors

General Contractor's Apprentice, Hobbs, NM May 2017 – August 2018
Apprentice

- Operated power tools including drills, power washers, pneumatic nail guns, and table and hand saws for framing, making repairs to parking lots, and installation of ceramic tile and new light fixtures
- Planned 12-hour shifts, including overnight shifts, for a crew of men to include repairing and replacing HVAC plenum, ducts, and ceiling registers
- Installed CAT5 wire for computer, phone, and camera systems for a restaurant

ACTIVITIES **Pi Tau Sigma – Mechanical Engineering Honor Society** August 2020 – Present
Treasurer and General Member

Delta Tau Delta Fraternity, Texas A&M University August 2018 – Present
General Member and Pledge Class Academic Chair

The Big Event, Texas A&M University March 2018, March 2019
Participant

Intramural Sports, Texas A&M University August 2017 – Present
Captain and Participant

HONORS **Pi Tau Sigma – Mechanical Engineering Honor Society**, Texas A&M University August 2019 - Present

Presidential Endowed Scholar, Texas A&M University August 2017 – Present

Engineering Honors, Texas A&M University August 2017 – Present

SKILLS Familiar with MATLAB and Python; Proficient in Microsoft Office and SolidWorks