MARK LURTON
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FIELD ENGINEER

Goal-oriented professional eager to use mechanical mindset and oil field troubleshooting methodologies to solve new and challenging problems as a Full Stack Web Developer.

Core Competencies

Engineering Acumen • Team Leadership • Collaboration • Python • Mechanical Inclination
Problem Solving • Customer Satisfaction • JavaScript • Project Planning

EDUCATION

2017	**TEXAS A&M UNIVERSITY**	**COLLEGE STATION, TX**

Bachelor of Science, Mechanical Engineering

- Implemented moveable geometry in return channel vanes of diffusor in centrifugal compressor for Senior Design Project. Built free body diagrams, developed equations to model system behavior, and determined amount of actuation force needed to actuate system.
    - Presented project to industry sponsor, Dresser-Rand; earned 3.5/4.
- Determined strengths and properties of various materials during Materials & Manufacturing Selection & Design Course. Tested materials to find fracture point and tensile strength.
- Cultivated engineering knowledge and skillset through relevant courses, including Fluid Dynamics, Heat Transfer, Thermodynamics, Dynamics & Vibrations, Controls, and Solid Mechanics.

EXPERIENCE

01/2019-Present	**WEATHERFORD INTL.**	**HOUSTON, TX**

Managed Pressure Drilling Field Engineer (12/2019 - Present)
Wireline Field Engineer (1/2019 – 12/2019)
- Operated various packages designed to maintain constant bottom hole pressure and ensure borehole stability during drilling operations.
- Performed maintenance and troubleshot surface hydraulic equipment.
- Supervised Open Hole well logging operations, ensuring safe handling, transportation, and storage of radioactive sources.
- Troubleshot well logging surface equipment and downhole tools

1/2015-12/2017	**MSC HOSPITALITY**	**COLLEGE STATION, TX**

Assistant Director of Internal Relations
- Coordinated and hosted social events for 90-120 MSC Hospitality members to strengthen culture. Secured event location, organized transportation, secured materials, and oversaw budget.
- Created social groups and planned weekly activities such as lunch gatherings to further build community within organization.

1/2015-10/2015	**TEXAS A&M UNIVERSITY**	**COLLEGE STATION, TX**

Fish Camp Counselor
- Collaborated with counselors and chairpersons to welcome freshmen students into A&M community by facilitating camp activities.

TECHNICAL

- Python, JavaScript, HTML, CSS, Microsoft Office, MS Windows MATLAB (intermediate proficiency), 3D AutoCAD (beginner proficiency)

CERTIFICATES

- Complete Python Developer in 2021: Zero to Mastery
- The Complete Web Developer in 2021: Zero to Mastery