

Brandon Taylor Tolbert, EIT

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Brandon.T.Tolbert-1@ou.edu

EDUCATION:

Bachelor's Degree in Mechanical Engineering University of Oklahoma, May 2017, **GPA: 3.96**
Master's Degree in Petroleum Engineering University of Oklahoma, August 2016, **GPA: 4.0**
Bachelor's Degree in Petroleum Engineering University of Oklahoma, May 2015, **GPA: 3.90**

WORK EXPERIENCE:

Mechanical Engineer I (September 2018-PRESENT)
RAYTHEON, MCKINNEY, TX

- Design and analysis engineer for advanced product development group

Software Engineer (June 2018-August 2018)
BOEING, ST. LOUIS, MO

- Maintained databases with large amounts of aircraft usage data using **Oracle SQL Developer**.
- Developed **Java**-based web application that managed and maintained large amounts of fatigue analysis data for both internal and customer use.

Reservoir Engineering Intern Offshore Mobile Bay (June 2014-August 2014)
EXXONMOBIL PRODUCTION COMPANY, HOUSTON, TX

- Identified uplift opportunities by platform to increase performance
- Recommended compression and pipeline additions with the assistance of **PEEP** economic software
- Economic screening of recommendations produced an AVP of \$104.1 M and a PVP of \$3.8 M assuming a 12% discount rate

Facilities Engineering Intern Hawkins (June 2013-August 2013)
EXXONMOBIL PRODUCTION COMPANY, HOUSTON, TX

- Investigated and analyzed data related to the surface facilities in order to identify bottlenecks in the system
- Implemented the investigation of the abnormal pressure drop regions identified by comparing **IPM (Prosper, GAP, MBAL) models** to actual field data and found scale build in the salt water disposal header
- Proposed removal of bottleneck would result in 46 BOE/day uplift

Reservoir Engineering Intern East TX Hawkins (Jan 2013-June 2013)
EXXONMOBIL PRODUCTION COMPANY, HOUSTON, TX

- Developed Surveillance Tool in MS Excel to monitor production trends
- Incorporated **Osisoft Pi, OFM**, and **Excel VBA** into development of a Surveillance tool to automatically update
- Used tool to identify potential workover candidates

PUBLICATIONS:

- *Model Predictive Control of Sucker Rod Pump System with Simulation Case Study*, **Journal: Computers and Chemical Engineering CACE_2018_274 (accepted)**
- *Quantifying Pore Size Distribution Effect on Gas in Place and Recovery Using SLD-PR EOS for Multiple-Components Shale Gas Reservoir*, **SPE-176992-MS**
- *Applying Subsea Boosting and Separation Technologies for Deepwater Operations*, **OTC-26065-MS**
- *Predicting Major League Championship Winners through Data Mining*, **Athens Journal of Sports**

SKILLS:

- Python, Java, SQL Oracle, JSP/Servlet programming, HTML, CSS, JavaScript, statistical analysis, machine learning, object oriented programming, backend development, tech savvy.