Frank Zheng

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Education

University of Tulsa   **August 2012 - December 2018**

Master of Science in Business Analytics - GPA: 4.0
- Recipient of H.E. Pope, Jr. Scholarship for Business. Graduate Assistantship, Outstanding academic achievement, Beta Gamma Sigma Honor Society.

Bachelor of Science in Petroleum Engineering, Minor in Mathematics - GPA: 3.63
- Recipient of The University of Tulsa International Leadership Scholarship, Thomas C. Frick Award, President's Honor Roll, Phi Eta Sigma Honor Society, Cum Laude, President of Chinese Student Association.

Experience

Murphy USA, El Dorado, AR   **October 2019 - Present**

Operations Analyst II
- Automate ETL, reporting and dashboard system using SMSS, PowerBI and R.
- Build Predictive Model and Time Series Forecast to support business decisions.
- Support Operations team by providing solutions from data analysis, data warehousing and dashboard automation.

Oklahoma Medical Research Foundation, Oklahoma City, OK   **February 2019 - October 2019**

Data Analyst
- Researched on understanding the etiology and pathogenesis of systemic autoimmune diseases.
- Developed genomic data analysis through the utilization of machine learning, data mining, clustering and visualization.
- Designed and optimized data analytics pipeline for automated processing sequencing data QC via Snakemake in Python.

FlyingTee, Jenks, OK   **May 2018 - August 2018**

Lead Data Analytics Intern
- Designed and implemented data warehouse, performed ETL to load various data into the data warehouse.
- Constructed dashboards and developed SQL queries to automate daily business report.
- Performed data mining and predictive analytics for guest traffic to solve staffing flow problems using R.
- Led project-based cross-functional teams comprised of computer scientist, data analyst and BI developer in the development of data gathering software, data warehouse, dashboards and automation business report.

Blueview, Tulsa, OK   **April 2018 - July 2018**

Search Marketing and Analytics Intern
- Compiled competitive analysis with data visualizations for clients to identify opportunities of marketing.
- Analyzed client ads and Google Analytics data to provide digital marketing strategy and user experience enhancement.

TU Paraffin Deposition Projects, Tulsa, OK   **March 2017 - March 2018**

Researcher
- Operated the flow loop to conduct multiphase paraffin deposition experiments at various field operating conditions.
- Prepared and analyzed paraffin deposit samples using HTGC and DSC in laboratory.
- Performed data analysis and researched the impact of two-phase flow patterns on wax deposition mechanism using VBA.

Occidental Petroleum Corporation, Houston, TX   **May 2016 - September 2016**

Production Engineering Extern
- Performed decline curve analysis on thousands of existing vertical and horizontal wells in Central Basin Platform.
- Examined operation issues and constructed type wells to determine analogous production trends and EUR's.
- Collected and analyzed field data and provided an optimal well completion strategy for the future developments.

Skills
- Skilled in R, Python, SQL, SAS, Tableau, PowerBI, Energy Commodity Trading, Data Mining, Machine Learning, Google analytics, VBA, MATLAB, Eclipse, Mathematica, Drilling info, IHS Enerdeq, Petra, PIPESIM, Petrel, Harmony, DeltaV Operate.