
Eric Kim

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Portfolio – <https://aegis4048.github.io>



Education

The University of Texas at Austin – Bachelor of Science | Dec 2019
Petroleum Engineering

Experience

- Feb 2020 – Present **Petroleum Engineering Analyst** – *Flogistix L.P.*
- Perform statistical data analysis on gas compressors & provide recommendations
- June 2019 – Aug 2019 **Data Science Intern** – *Flogistix L.P.*
- Developed a statistical modeling package that quantified deviation from ideal behaviors in time-series to automatically detect abnormal behaviors in gas compressors
 - Created foundation for a model that predicts mechanical failures with time-series analysis of multiple sensor data
 - Compiled the project into a comprehensive whitepaper that explained methods and ensured reproducibility
- Jan 2019 – May 2019 **Research Assistant** – *Rig Automation & Performance Improvement in Drilling*
- Developed a text analysis machine learning model that detected important information from the memos in daily drilling reports
- May 2018 – Dec 2018 **Web Development Intern** – *Intellicess*
- Designed a real-time drilling monitoring system that visualizes & updates data on web application
 - Developed front-end UI, back-end framework, and DB structures for the drilling data management program
- Sep 2017 – May 2018 **Research Assistant** – *Rig Automation & Performance Improvement in Drilling*
- Assisted in quantifying relationship between rock strength and mechanical specific energy
 - Developed an automated PDF parsing program that interprets data from PDF daily drilling reports
 - Provided programming assistance in cleaning, processing, and managing raw drilling data

Projects

- Jan 2019 – Present **Pythonic Excursions** – <https://aegis4048.github.io>
- Data science blog where I post articles related to Python, statistics, and machine learning
 - Designed and developed all front-end and back-end components of the blog