**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