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 | Minor in Computer Science
Major GPA: 3.38/4.00 | Cumulative GPA: 3.42/4.00

Experience

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 prototype
- Provided dev-ops assistance in setting up Linux server & network configuration

Sep 2017 – May 2018 **Research Assistant – Rig Automation & Performance Improvement in Drilling**

- Assisted in quantifying relationship between rock strength and mechanical specific energy
- Studied indicators for drilling malfunctions
- Developed an automated PDF parsing program that interprets data from PDF drilling morning reports
- Provided programming assistance in cleaning, processing, and managing raw drilling data in NoSQL database

Projects

Jan 2019 – Present **Pythonic Excursions – https://aegis4048.github.io**

- Personal blog where I post articles related to Python, data science, statistics, and web development
- Developed proficiency in statistical testing and uncertainty modeling and spatial data analysis
- Designed and developed all front-end and back-end components of the blog

Contests

Spring 2018 **Society of Petroleum Engineers Local Paper Contest - Participant**

- Presented the application of neural network algorithm to decrease uncertainty in shale plays

Spring 2017 **The Energy Case Competition - Finalist**

- Provided natural gas vehicles as a solution to growing energy demand & climate change issues
- Integrated Spotfire, MATLAB, and Excel to analyze data from public sources

Skills: Python, Django, statistics, geostatistics, jQuery, HTML, CSS, PostgreSQL, TimescaleDB, OOP