**Eric Kim**

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Portfolio – http://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 – http://aegis4048.github.io**

* Personal blog where I post articles related to Python, data science, statistics, and web development
* Developed proficiency in statistical uncertainty modeling, spatial data analysis, kriging, and geostatistical simulation
* 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, PostgreSQL, TimescaleDB, Javascript, jQuery, HTML, CSS