Daniel Mendoza

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Summary

Petroleum Engineer with a passion for programming, data science, machine learning, and data visualization seeking a position to utilize these skills to solve problems and deliver efficient solutions.

Education

Colorado School of Mines / B.S. in Petroleum Engineering

August 2015 – May 2018

Aims Community College / A.S. in Engineering Prerequisites

August 2013 – May 2015

Skills

- **Programming Languages**: Python and VBA. Interested in learning more programming languages.
- **Python Tools**: Pandas, Numpy, Plotly, Dash, Sklearn, Tensorflow, Selenium, Beautiful Soup, Datashader, etc.
- **Software**: Microsoft Office, Kappa-Workstation, PHDwin
- **Spoken Languages**: English, Spanish, and currently learning French and Italian
- **Technical Skills**: Data cleaning and analysis, web scrapping, feature engineering and selection, object oriented programming, dimensionality reduction and transforms, and supervised/unsupervised machine learning

Experience

Integrated Petroleum Technologies / Reservoir Engineer

March 2018 – May 2021

- Integrated multiple data sources to build oil and gas numerical simulation models that were used to forecast production for a full-field development scenario that included economic analyses and well layout plans
- Collaborated with engineers, regulatory agencies, clients, and management on multiple projects to guide projects efficiently and on maintain them on schedule
- Created various web scrapping algorithms that were used to build datasets for geospatial maps and permitting multiple disposal wells in Colorado and Wyoming

Programming Projects

May 2021 – Present

- Time series analysis using Dynamic Mode Decomposition and other data-driven methods
- Constructed a naive bayes binary classifier to classify positive/negative online customer reviews
- Generated a dataset from over 40,000 oil and gas wells using a python web scrapper and other python projects are displayed at dmendozac90.github.io