Ben Polzin

DATA SCIENTIST

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PROFILE

I am an energetic and enthusiastic engineer that is passionate about the future and how we can shape it. After experiencing firsthand the power of data driven discovery and decision making I was hooked. I have an established a history of collaborating and problem solving in a multi-disciplinary team as a former petroleum engineer.

SKILLS

Python, SQL, AWS, Hadoop, Spark, Automation, Optimization, Machine Learning, Deep Learning, Predictive Analytics, Natural Language Processing, numpy, pandas, scikit-learn, TensorFlow

CERTIFICATIONS

Coursera: Deep Learning Specialization; DataCamp: SQL Fundamentals, Data Analyst with Python, Data Scientist with Python

EXPERIENCE AND PROJECTS

Predicting Flu Vaccines | DrivenData.org Open Competition
FEB 2021, Portfolio Project, Des Moines, IA (Fully Remote)

- Utilized machine learning techniques to predict if a candidate received the H1N1 or seasonal flu vaccine based on various behavioral and demographic features.

- Multi-label classification predicted the likelihood of multiple outcomes, data preprocessing pipelines. Model placed in top 20% of submissions.

Teaching Assistant | Data Science Diploma Program BrainStation
OCT 2020 - FEB 2021, BrainStation, Des Moines, IA (Fully Remote)

- Hosted live code along sessions to reinforce fundamental data science and machine learning concepts including Python, Pandas, sci-kit learn, TensorFlow, AWS, SQL, R, and Tableau

- Assisted in coordination and delivery of lesson material and projects as well as providing marks, feedback, and mentorship to students.

MyGamePass | Data Science Diploma Capstone Project
OCT 2020, BrainStation, Des Moines, IA (Fully Remote)

- Recommendation engine for video games. Explored both collaborative and content based based filtering by cosine similarity.

- Required extensive cleaning, EDA, and preprocessing as well as matrix factorization, natural language processing and machine learning.

The Orphaned Well Project | Director of Technology
SEP 2020 - Present, Des Moines, IA (Fully Remote - Denver, CO Headquarters)

- Coordinating data ETL pipelines/workflows and organizational technology strategy for new start-up.

- Non-Profit Organization dedicated to properly decommissioning and environmentally reclaiming orphaned oil and gas wells throughout the United States.

Production Engineer | Newfield Exploration / Encana Corporation
JUL 2016 - NOV 2019, Houston, TX

- Oversaw production operations of nearly 500 producing wells in the Uinta Basin of North Eastern Utah

- Leveraged extensive data analysis to return 30 temporarily shut-in wells back to production as well as identified and prioritized future capital projects

- Spearheaded multiple process improvement projects from inception to implementation including a revamped and enhanced data ETL pipeline and data analysis dashboard

- Optimized business unit performance utilizing a blend of established and innovative approaches and extensive multidisciplinary collaboration

EDUCATION

BrainStation | Diploma, Data Science
AUG - OCT 2020, Des Moines, IA (Fully Remote)

Colorado School of Mines | B.S. Petroleum Engineering
AUG 2013 - MAY 2016, Golden, CO

Red Rocks Community College | A.S. Engineering
AUG 2011 - MAY 2013, Lakewood, CO