

Ben Polzin

DATA SCIENTIST

polzinben@gmail.com
515-418-1852
polzinben.github.io
linkedin.com/in/bpolzin
github.com/polzinben

SKILLS

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

EDUCATION

Coursera Deep Learning
Specialization, May 2021

DeepLearning.AI TensorFlow
Developer, May 2021

Diploma, Data Science,
BrainStation, Oct 2020

B.S. Petroleum Engineering,
Colorado School of Mines, May
2016

A.S. Engineering, Red Rocks
Community College, May 2013

PROFESSIONAL EXPERIENCE

Learning Assistant I Trilogy Education

Apr 2021 - Present, 2U/Trilogy Education, Des Moines, IA (Fully Remote)

- Learning Assistant for the new FinTech program. Mentoring and assisting students with any course-related issues they may have.
- Curriculum includes SQL, Python, numpy, pandas, sci-kit learn, TensorFlow, machine learning, cryptocurrency, time series analysis, and financial analysis.

Teaching Assistant I 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.

The Orphaned Well Project I Director of Technology

Sep 2020 - Present, Des Moines, IA (Fully Remote - Denver, CO Headquarters)

- Non-Profit Organization dedicated to properly decommissioning and environmentally reclaiming orphaned oil and gas wells throughout the United States.
- Coordinating data ETL pipelines/workflows and organizational technology strategy for new start-up.
- Currently compiling database of nationwide abandoned wells to be used for BI visualization tools to help identify and prioritize projects.

Production Engineer I 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.

PROJECTS

TensorFlow NLP and OCR Project I Professional Exam Prep

May 2021, Portfolio Project, Des Moines, IA (Fully Remote)

- Demonstrated the entire NLP workflow with BERT (data loading, preprocessing, tokenization, transfer learning, and predictions) and OCR with pytesseract achieving model accuracy improvement from 75% to 94%.

TensorFlow Computer Vision Project I Professional Exam Prep

May 2021, Portfolio Project, Des Moines, IA (Fully Remote)

- Demonstrated the entire computer vision workflow (data loading, preprocessing, model tuning, optimization, and predictions) achieving model accuracy improvement from 75%-90%.

Predicting Flu Vaccines I DrivenData.org Open Competition

Feb 2021, Portfolio Project, Des Moines, IA (Fully Remote)

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