Elii B. Skeans

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Education

Colorado State University, Fort Collins, CO
M.S. Data Analytics, International Management   December 2020
Colorado School of Mines, Golden, CO
B.S. Petroleum Engineering   May 2018
The University of Akron, Akron, OH
B.B.A., International Business, Minor Entrepreneurship   December 2013

Competencies: Python (ETL, pipeline, visualizations/dashboards), SQL, Postgres/MySQL, GIS (QGIS, geopandas, GDAL), Git, Spark (Python API), Spotfire/Power BI/Tableau, HTML/CSS, R, JavaScript (basic competency), SAS

Work Experience

Independent Contractor, Morrison, CO (remote)   May 2022 - Present
Data Engineer

- Subject Matter Expert – PySpark for Codecademy, Inc.: Provide oversight of course outline and content creation to ensure the function PySpark knowledge is covered efficiently. Create content for machine learning pipeline creation for the data science track. Create portfolio project for capstone to the data engineering track.
- Contract Data Engineer for Renewell Energy: Assist with creation and population of Postgres database hosted on DigitalOcean. Perform ETL, advanced geospatial analytics and map visualizations for a big data set.

Surtek, Inc. Golden, CO   August 2017 – May 2022
Reservoir Engineer

- Aggregate, transform, and interpret reservoir data from customer databases (ETL, visualization, computation)
- Develop streamlined ETL pipelines for transformation of lab data to database tables
- Design SQL database for digitization of 40 years of company data
- Feature engineering on newly available data and develop of classification models for reservoir screening
- Develop HTML widgets of advanced visualizations for customers and company website

Colorado School of Mines Golden, CO   January 2019 - Present
Adjunct Professor, Petroleum Data Analytics & Economics and Evaluation of Oil and Gas Projects

- Design student projects utilizing the latest data science techniques with a focus in Spotfire, Python, and R (*Petroleum Data Analytics)*
- Utilize ETL principles to batch grade student projects with minimal effort
- Develop projects which use economic principles as well as oilfield physics (DCA) for asset/project evaluation

Project Experience

- **Develop relational database:** ETL processes for the transformation of 40 years of mixed digital and hard copy data for import into tables
- **Unsupervised Machine Learning:** Utilize aggregated data to develop reservoir screening methods
- **Visualization:** Develop interactive and HTML ready visualizations with data
- **Dashboarding:** Link databases to Spotfire. Create custom data functions in R for advanced dashboard functionality

Personal Development Certificates

- **Interactive Model Building**
  SAS
- **Hadoop Platform and Application Framework**
  Coursera
- **Manipulating Data and Analytics**
  SAS
- **Applied Plotting, Charting, & Data in Python**
  Coursera

Additional Achievements

Publications: SPE-194909, SPE-207763, SPE-200409, https://medium.com/@elibenjamin
Accomplishments: Benjamin A. Gilman International Scholar, Tau Beta Pi Scholar, Magna Cum Laude