Project Data Scientist

Expertise	Predictive Modeling, Advanced Analytics Dashboarding
Education	Data Science Immersive Program, 2020 Galvanize, Denver, Colorado, USA
	P.S.M. (Geology), 2017 University of Northern Colorado, Greeley, Colorado, USA
	B.S. (Geology), 2015 University of Northern Colorado, Greeley, Colorado, USA

Professional Experience

2024 – Present	ITASCA Denver, Lakewood, Colorado Project Data Scientist
2023 – 2024	Arvada Rent-Alls, Arvada, Colorado Advanced Analytics Consultant
2022 – 2023	Driven Brands, Charlotte, North Carolina Data Scientist
2020 – 2022	Plutoshift, Denver, Colorado Data Scientist
2017 – 2019	Chesapeake Energy, Powder River Basin, Oklahoma City, Oklahoma Exploration & Development Geologist

Project Experience

Drilling Mud Loss Project: Organized and led a multidisciplinary group to investigate, anticipate, and mitigate mud losses in a structurally complex, high-priority, and fast-paced drilling program. Pioneered an innovative new approach using SQL, Spotfire, and Geographix to analyze a large volume of real-time drilling data, resulting in a highly granular predictive model relating geologic properties to drilling losses. The project improved business unit drilling practices by reducing drilling time in both the intermediate and lateral portions of the well and is projected to lower costs by up to $14.7 million annually.

Parkman Formation Analysis: Primary geologist on a multidisciplinary exploration project to assess the upside potential of deeper pay zones across a large core acreage position. Supervised core acquisition and helped conduct a low-temperature hydrous pyrolysis analysis. Incorporated new seismic interpretations into structure and stratigraphic maps to define resource potential. Created a full suite of petrophysical maps to further refine new prospective zones within acreage position.

Predictive Revenue Model Utilizing Weather Data: Developed and deployed an Accuweather-based weather model, providing daily and site-level scoring and 14-day forecasts, with a 99% accuracy rate for the first 3 forecasted days, resulting in improved decision-making. Pioneered the implementation of advanced analytics models (weather models) in production using Google Vertex. Spearheaded discussions for the creation of similar

weather models for Driven Brands' International, Glass, and Take 5 Oil Change divisions. Collaborated with Business Intelligence (BI) to create an interactive and business-friendly weather model dashboard.

Dow Chemical Wastewater Treatment Optimization Project: Delivered 23% savings year over year on chemical cost for Dow Chemical through suite of predictive models for wastewater treatment facility to reduce chemical application while maintaining high standards for environmental compliance.