

Dillon Clark

Data Scientist

EXPERIENCE

Data Scientist

Benchmark Mineral Intelligence | Remote - UK

May 2023 - May 2024

- Streamlined the creation of a new ETL and data warehouse, collaborating with an international team to develop a bespoke data platform.
- Designed and implemented a pipeline to convert legacy Excel datasets to SQL tables, saving hundreds of data entry hours.
- Collaborated on a machine learning project with industry partners to greatly enhance market forecasts in a critical mineral sector.
- Developed natural language processing models to assess consumer sentiment, expanding Benchmark's ESG product offerings.
- Wrote AI governance policy for internal company use, and advised executives regarding opportunity and risks in AI
- Independently created comprehensive data dictionary for all data products, shortening on-boarding time for clients and employees significantly.

Data Analyst

May 2022 - Dec 2022

QED Analytics | In Office

- Partnered with CEO to address technology challenges and streamline the development of a comprehensive database for mortgage information.
- Automated key processes, including postal address validation and correction, marketing and legal document logistics, and data entry workflows using computer vision and Python, interfacing with a number of APIs

Technical Specialist

Aug 2021 - May 2022

Apple Cherry Creek | In Person

- Worked collaboratively with a diverse and high-performing team to uphold the highest standards of Apple's technical services. Reduced personal session time by 65%, while increasing my customer satisfaction rating by 15%.

Systems Administrator I

NCAR - Earth Observing Lab | In Office

June 2019 - Sep 2020

- Worked with stakeholders and senior faculty to facilitate IT services for field & research projects, resulting in reduced downtime and better allocation of resources.

EDUCATION

BS - Information Science - Minor in Atmospheric Science

University of Colorado, Boulder

2022

Machine Learning Engineer Track

Datacamp

2024

SKILLS

Programming

Python, Swift, C++, Javascript, HTML / CSS

Data Engineering

Pandas / Numpy, Excel VBA

Dev Tools

JIRA, Git, Docker, Linux, macOS, Windows

Database Management

MySQL, PostgreSQL, MongoDB

Machine Learning

PyTorch, SKLearn, Deep Learning, CNN, GAN, VAE, Gradient Descent

Natural Language Processing

NLTK, Vader, BERT, word2vec

Generative AI

Stable Diffusion, Prompt Engineering, LLAMA, GPT4, Transformers, VAE

Web Scraping / Data Ingestion

BeautifulSoup, RESTful API's

Design Tools

Adobe Illustrator, XD, Figma

Data Visualization

Matplotlib, Seaborn, Tableau, D3, Looker

PROJECTS

Polisent - Predicting elections with consumerism trend data & machine learning.

CU Boulder - BS Capstone

June 2022

- Predict state electoral results using Google search volume data & Simmons consumption data for 191 partisan corporations across 9 election years.
- Complete data pipeline written in Python, API access, feature engineering, training and testing of various models and frameworks.
- Achieved a peak 94% prediction accuracy on unseen 2018 election data, exceeding the goal of outperforming traditional polling, while acknowledging the limitations of our methods.