Dillon Clark
Data Scientist

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📍 Denver, CO

EDUCATION

BS - Information Science
University of Colorado, Boulder
2022

Certifications:
Data Science in Python,
Machine Learning Engineer
Datacamp
2024

SKILLS

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

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

Data Visualization
Matplotlib, Seaborn, Tableau

Data Wrangling
Pandas / Numpy

Web Scraping / Data Ingestion
BeautifulSoup, RESTful API's

Database Management
AWS, PostgreSQL, MongoDB

Natural Language Processing
NLTK, Vader, BERT, word2vec

Dev Tools
Asana, JIRA, Git, Docker, Unix OS'

Generative AI
Stable Diffusion, Prompt Engineering

UX Design
Figma, Adobe XD

Feature Engineering
Statistical Analysis
Predictive Analytics

Mandarin Chinese
4 yrs in Shanghai (2012 - 2016)
Intermediate Speaking

EXPERIENCE

Data Scientist
Benchmark Mineral Intelligence | Remote - UK
May 2023 - May 2024
- Collaborated with a global team to develop and launch a data API and Pro web platform, working with Python, Node.JS, AWS DataBrew and S3.
- Collaborated on a machine learning project with industry partners to predict market movements in a critical mineral sector, working to pre-process and clean market data.
- Explored computer vision tools for industrial capacity analysis, and natural language processing models for market sentiment using analyst and social media corpora.
- Wrote AI governance policy for internal company use, advised executives and project stakeholders regarding opportunity and risks of implementing AI.

Data Analyst
QED Analytics | In Office
May 2022 - Nov 2022
- Partnered with CEO to address technology challenges and streamline the development of a comprehensive database for mortgage-related information.
- Automated key processes, including postal address validation and correction, marketing and legal document logistics, and data entry workflows using computer vision and Python.

Technical Specialist
Apple Cherry Creek | In Person
Oct 2021 - June 2022
- 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 customer satisfaction by 15%.
- Served as a sales and technical specialist, encountering first hand the varied ways that Apple's customers use, and break, their devices. Repaired relationships & technology.

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.

PROJECTS & INTERESTS

Polisent - *Predicting elections via consumerism trends & ML*
CU Boulder - BS Capstone
June 2022
- Worked as a team to predict state electoral results & political sentiment using Google search volume data for 191 particularly partisan corporations across 9 election years.
- Developed code to collect, process, and split input data for training and testing of various classifiers, comparing logistic regression to random forest, gradient boosted trees, and recursive feature elimination.
- Produced a report and paper on corporate partisanship and state-by-state predictions for key election years, including SHAP diagrams, ablation tables, and decision tree maps.
- Achieved a peak 94% accuracy on unseen 2018 election data, meeting our goal of outperforming traditional polling.

Stable Diffusion - *Generative AI*
- I've developed a keen interest in SD image generation, having used it for marketing assets at Benchmark, as well as for game design and world building. I've utilized and created various diffusers, GANs, LoRAs, and embeddings since SD 1.0 released.