

EXPERIENCE

Data & Design Contractor
xycl.one LLC

Self Employed (LLC)
May 2024 - Present

- Contracting for various short term projects. Including volunteer design work for non-profit 2Care2Change, and a number of Fiverr contracts.

Data Scientist
Benchmark Mineral Intelligence | Remote - UK

1 year contract
May 2023 - May 2024

- Developed Data Platforms: Led the creation of a bespoke data cleaning and conversion pipeline into a SQL data warehouse, designed from the ground up to enable cross-divisional analytics and new machine learning capabilities.
- AI Solutions: Researched various machine learning models to improve market forecasts alongside deployment of LLM’s for consumer sentiment analysis.
- AI Governance and Strategy: Authored an AI governance policy and advised executives on AI opportunities and risks to drive strategic decision-making. These policies were designed and implemented to protect company assets and enhance internal data compatibility.
- Streamlined Documentation: Created a comprehensive data dictionary, significantly reducing client and employee onboarding time.

Data Analyst
QED Analytics | In Office

Internship
May 2022 - April 2023

- Partnered with CEO to address technology challenges and streamline the development of a comprehensive database for mortgage information.
- Automated key processes with Python and ML, 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
Apple Cherry Creek | In Person

Student - Part time
Aug 2021 - May 2022

- Worked collaboratively with a diverse and high-performing team to uphold the highest standards of Apple's technical services. Reduced session time by 65%, while increasing my customer satisfaction rating by 25%.

IT - Systems Administrator I
NCAR - Earth Observing Lab | In Office

Student - Part time
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. Deployed Linux, macOS, and Windows machines for office and field work.

EDUCATION

BS - Information Science - Minor in Atmospheric Science
University of Colorado, Boulder
2022

Machine Learning Engineer Track
Datacamp
2024

SKILLS

Programming Python, C++, Javascript, HTML / CSS	Machine Learning SciKit-Learn, Pytorch, Predictive Analytics, Neural Networks, Computer Vision (OpenCV)	Web Scraping / Data Ingestion BeautifulSoup, RESTful API's
Data Engineering Pandas / NumPy, AWS Glue	Natural Language Processing NLTK / Vader, BERT, word2vec, LLM's (LLama, Gemma, Mistal)	Design Tools Adobe Illustrator, XD, Figma
Dev Tools JIRA, Git, Docker, Linux, macOS, Windows	Generative AI Stable Diffusion, Prompt Engineering, Transformers, VAE, LoRa training	Data Visualization Matplotlib, Seaborn, Tableau, D3, Looker
Database Management MySQL, PostgreSQL, MongoDB, NoSQL databases		

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.