

Mikaela Connell

New York, NY | 845-499-3167 | mconnell18@students.claremontmckenna.edu | [GitHub](#) | [Portfolio](#) | [Blog](#) | [LinkedIn](#)

DATA SCIENTIST

Data scientist with a strong foundation in SQL, Python, and machine learning, transitioning from healthcare and marketing to data science. Beginning a Master's in Data Science at Harvard Extension School (June 2025) to deepen expertise in advanced analytics, big data, and applied machine learning.

KEY SKILLS

SQL • Python (pandas, NumPy, matplotlib, scikit-learn) • Tableau • Looker (basic) • Excel • Data Cleaning • EDA • Predictive Modeling • Regression • Git • Jupyter • ETL Processes • A/B Testing • Large Language Models • Cloud (learning AWS)

RELEVANT PROJECTS

MacroBTC Insights - [Github](#) | [Streamlit](#)

A crypto forecasting app using macroeconomic indicators and machine learning

- Engineered an XGBoost time series model to predict Bitcoin prices, achieving an R^2 of 0.91
- Built an interactive Streamlit dashboard for real-time forecast exploration and user interaction
- Integrated multiple macroeconomic sources (CPI, M2, Fed Funds Rate) and created ETL pipeline

Vehicle Sales Analysis - [Github](#)

- Developed an XGBoost regression model to predict used vehicle prices with a test R^2 score of 0.97
- Visualized price distributions, feature relationships, and model performance using Matplotlib and Seaborn to support interpretability

RELEVANT EXPERIENCE

Data Analyst | Freelance - LLM Evaluation & Annotation | Data Annotation

April 2025 - Present

- Evaluated outputs from large language models (LLMs) to assess factual accuracy, tone, and response quality
- Annotated thousands of samples using structured rubrics to train and fine tune generative AI systems
- Collaborated with product teams to document edge cases and improve future iterations of AI tools
- Gained hands on experience with prompt engineering, model behavior analysis, and GenAI tooling

Registered Nurse

May 2022 - December 2024

Memorial Sloan Kettering Cancer Center & New York Presbyterian Hospital - New York, NY

- Managed patient care for a diverse population, applying analytical skills to monitor, interpret, and act on patient data to provide optimal care in high-pressure environments
- Utilized electronic health records (EHR) systems to document patient information, ensuring accuracy and facilitating seamless communication between medical teams

Account Manager | Paid Search Analyst

June 2018 - September 2019

Metric Theory - New York, NY

- Managed strategy and planning for 10+ brand accounts, overseeing \$1M in media spend
- Delivered data-driven recommendations to optimize paid media performance and maximize ROI
- Collaborated across creative, data, and client teams to support multi-channel go-to-market strategies
- Translated business requirements into actionable reporting strategies, improving campaign tracking

Financial Analyst

June 2017 - August 2017

Cantor Fitzgerald - New York, NY

- Rotated across multiple desks, including Emerging Markets and Equities Sales & Training, gaining exposure to financial markets, trade execution, and client interactions

EDUCATION

Harvard University Extension School, Cambridge, MA (Remote)

May 2027

Master of Liberal Arts (ALM) in Data Science

Flatiron School, New York, NY - Data Science Bootcamp

April 2025

Focus: Machine Learning, Statistics, Business Analytics, SQL, Python, Data Visualization

New York University, New York, NY

December 2021

Bachelor of Science Nursing

Claremont McKenna College, Claremont, CA

May 2018

Bachelor of Arts Economics