

Kane Norman

Cambridge, MA

[linkedin.com/in/kanenorman](https://www.linkedin.com/in/kanenorman)

github.com/kanenorman

kanenorman.com

EDUCATION

Harvard University

M.S. - Data Science, GPA: 4.00

Cambridge, MA

August 2022 – December 2023

Southern Methodist University

B.S. - Mathematics, GPA: 3.97

Awards & Activities: Magna Cum Laude, Phi Beta Kappa, Football Student-Athlete

Dallas, TX

Graduated August 2019

EXPERIENCE

Stronghold Investment Management

Business Analyst

Dallas, TX

January 2021 – August 2022

- Led development of a royalty revenue estimation system using Apache Spark, resulting in the recovery of over \$30MM in royalty revenue for a portfolio composed of 20+ investment companies with various royalty interests. Demonstrated leadership, technical expertise, and ability to deliver high-impact projects independently.
- Collaborated on the development of software that allows for rapid and repeatable asset valuations using various discount rates and pricing sensitivities, improving the efficiency and accuracy of valuing oil and gas assets at an unparalleled speed and volume. This reduced a 50-hour process to just 10 minutes, enabling stakeholders to quickly seize short-term investment opportunities.
- Integrated proprietary and external data sources, including APIs for commodity pricing and oil and gas production, into a centralized data lake platform using Apache Spark as part of the ETL process. This effort eliminated data silos and provided a single source of truth, facilitating improved data-driven decision making and enabling self-service analytics capabilities.

Precision Business Solutions

Modeler

Dallas, TX

January 2021 – August 2022

- Developed an ETL pipeline using Python to seamlessly migrate and transform data from a customer's Snowflake data warehouse to the company's MySQL instance, replacing a highly manual process that involved the use of SFTP transfers. This solution not only made the client happier by reducing their technical burden, but also increased efficiency and accuracy within the company.

Career Advisor

August 2020 – December 2020

- Created and delivered a comprehensive training curriculum on SQL and statistics, introducing new hires to key concepts and tools. This increased their productivity early in their career and contributed to a reduction in onboarding time.
- Provided mentorship to new hires and interns, helping them to adjust to their roles and supporting their professional development through regular check-ins and guidance on projects and career goals.

Analyst

August 2019 – August 2020

- Applied linear regression, decision tree, and k-means clustering machine learning algorithms to analyze data and generate insights, leading to improved customer ROI through data-driven decision making.

SKILLS

Programming Languages: Python, Java

Databases/Data Engineering: MySQL, MSSQL, Apache Spark, ETL

Data Science: Pandas, GeoPandas, NumPy, Scikit-Learn, Machine Learning

Visualization: Matplotlib, Plotly/Dash, PowerBI, HTML & CSS

Software Development: Git & Github, Linux, CI/CD, Testing / TDD

Mathematics: Numerical Methods, Scientific Computing, Probability

Other: Data Analysis, Spatial Data, Automation, Oil and Gas