Daniel Brown

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Education

University of Colorado at Boulder   *Online*
Master of Science in Data Science   *Expected January 2026*

The City College of New York   New York, NY
Bachelor of Science in Applied Mathematics   December 2021

Professional Summary

Data science professional with experience delivering measurable business impact through machine learning, analytics, and data engineering. Co-founded a profitable sports betting platform and developed a PGA DFS model with a 3.0% weekly ROI. Finalist in the 2022 MIT Sports Analytics Hackathon. Reduced shipping costs by 15% at Grady's Cold Brew using data analytics. Google-certified in Analytics, Cloud Engineering, and Project Management. Strong skills in Python, SQL, and Tableau.

Professional Experience

Freelance   *New York, New York*
Data Analyst   *August 2022 — Present*
- Built profitable PGA Daily Fantasy Sports model (3.0% avg weekly ROI)
- Engineered custom data pipelines and betting tools using Python and SQL
- Delivered DFS lineup optimization and player insight reports to clients
- Developed tools to identify +EV sportsbook plays on platforms like Underdog Fantasy and Thrive Fantasy

TWGW LLC   *Hartford, CT*
Project Manager/Assistant   *January 2022 — August 2022*
- Co-founded startup supporting sports gamblers using crowd-sourced insights
- Managed product development and launch; coordinated web developer tasks
- Supported business plan development and ongoing product iterations

Grady's Cold Brew   *Bronx, New York*
Shipping Manager   *May 2019 — October 2021*
- Reduced annual shipping costs by 15% (~$20,000/year) through data analytics
- Managed team of two; booked and optimized national freight shipments
- Partnered with Ops Manager to revamp logistics and procedural workflows

Skills

Programming & Data Analysis: Python (Pandas, NumPy, Scikit-learn, Seaborn, Matplotlib, Tensorflow), SQL (MYSQL, SQLite, PostgreSQL, BigQuery, joins, window functions), R (tidyverse, ggplot2), Excel (PivotTables, Power Query, formulas), Git & GitHub (version control)
Data Science & Machine Learning: Supervised & Unsupervised Learning, Feature Engineering, Cross-Validation, Model Evaluation, A/B Testing, Statistical Modeling (regression, time series), Data Engineering (ETL, pipelines)
Data Visualization & BI Tools: Tableau, Looker, Google Data Studio, Matplotlib, Seaborn, Plotly, Dashboards, Data storytelling
Project & Product Management: Agile / Scrum, Sprint planning, Stakeholder communication, Google Project Management Certification