

BRIANA LOVE WHYLIE

ENTRY-LEVEL QUANTITATIVE RESEARCHER | DATA SCIENCE | FINANCIAL ANALYTICS

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PROFESSIONAL SUMMARY

Quantitative researcher and M.S. Data Science candidate (GPA 4.0) using Python, SQL, statistics, and financial data to test hypotheses, build predictive models, and deliver rigorous analysis.

EDUCATION

Pace University, Seidenberg School - New York, NY

Expected August 2026

Master of Science in Data Science | Concentration: Quantitative Research and Data Science | GPA: 4.0

Relevant Coursework: Machine Learning, Predictive Analytics, Mathematical Foundations of Analytics, Algorithms of Data Science, Programming for Data Science

Berkeley College - New York, NY

December 2018

Bachelor of Business Administration in International Business | Concentration: Finance | GPA: 3.6

Harvard Online | Data Science with Python Coursework

2022

TECHNICAL SKILLS

Programming: Python, SQL, R, Java, C++

Quantitative Methods: Predictive Modeling, Time-Series Analysis, Statistical Analysis, Feature Engineering, Backtesting, Portfolio Analysis

Tools: pandas, NumPy, scikit-learn, Matplotlib, Seaborn, Power BI, Tableau, Jupyter, Colab, SQLite, PostgreSQL, MySQL

PROFESSIONAL EXPERIENCE

Kvadrat | Data Science Summer Intern | 475 Park Avenue, New York, NY

Summer 2026

- Analyze fabric, product, and sales data to identify growth patterns, category performance, and commercial opportunities.
- Clean, join, and validate datasets with Python and SQL for reliable analysis.
- Build dashboards and forecasting analyses supporting sales planning and data-driven decisions.

Seentio Financial Software | Data Scientist Apprentice, Finance Department

March 2026 - Present

- Analyze dividend yield, payout, growth, cash-flow coverage, and portfolio performance.
- Build analytical tools translating complex financial metrics into actionable investor insights.
- Develop Python and SQL workflows for cleaning, metric calculation, automation, and portfolio analysis.

Local 580 | Union Ironworker Apprentice | New York, NY

June 2021 - April 2025

- Led assigned installation projects, coordinating crews, materials, safety requirements, and daily progress.
- Interpreted blueprints and measurements to fabricate and install structural and ornamental iron components.
- Resolved field issues with forepersons and trades while meeting quality and deadline requirements.

Universal Music Group | Accounts Payable, Finance Department

March 2019 - March 2020

- Reconciled artist and vendor financial records across ERP systems, strengthening accuracy and accountability.
- Processed high-volume invoices and resolved coding, approval, credit, and payment discrepancies.

QUANTITATIVE RESEARCH AND PROJECTS

Financial Stress Early-Warning System | Python, SQL, SQLite, scikit-learn

2026

GitHub: github.com/brianawhylie-a11y/financial-stress-early-warning

- Developed hypotheses linking volatility, rates, inflation, employment, and sector behavior to future market stress.
- Engineered 18 features using SQL CTEs, window functions, rolling metrics, and publication-lag controls.
- Backtested 986 out-of-sample observations, achieving 0.625 ROC-AUC and documenting look-ahead bias controls.

JPMorgan Chase & Co. | Quantitative Research Virtual Experience Program

April 2025

- Automated commodity contract valuation with Python, reducing processing time from 45 minutes to under five.
- Modeled 50,000+ borrower records, improving default-prediction accuracy 20% over baseline.

LEADERSHIP

Peace Boat United Nations | Youth Ambassador

September 2022 - Present

- Deliver research-backed UN panel advocacy and coordinate youth initiatives with global partners.