

Lily Campbell

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EDUCATION

University of Chicago, August 2025
M.S. Data Science

Specialized in Machine Learning & AI

Tufts University, May 2021
B.S. Mathematics and Quantitative Economics

Magna Cum Laude
Phi Beta Kappa National Honors Society

EXPERIENCE

May 2022 –
Present

Client Quantitative Analyst II - Analytics, Modeling & Insights, Bank of America

- Conduct analyses on products and customer behavior to inform strategic decision making by senior leadership
- Apply advanced analytics and machine learning techniques to find insights from big data - methods used include causal analysis, clustering, random forests, and network analysis
- Previous projects include predicting the future assets of clients based on past transactions, and segmenting clients by environmentally conscious behaviors to inform marketing
- Collaborate with business partners to develop business strategies, and present actionable findings from data analysis to both technical and non-technical audiences

July, 2021 –
May, 2022

Automation Analyst, Bank of America

- Developed automated tools to improve the efficiency and capabilities of corporate audit
- Wrote programs to identify fraudulent activity and business control failures in consumer banking
- Authored automated tests are currently in use by department, replacing manual data testing
- Created dashboard metrics on key performance indicators for bank branches, used by audit teams to identify areas of focus for branch audits

October, 2020 –
May, 2021

Research Assistant, The Fletcher School of Law and Diplomacy

- Supported research initiatives by testing analysis methodology, primarily optimization models and linear regression techniques
- Reviewed data analysis in academic papers and documented the efficacy of paper's statistical methods
- Contributed to research on The Green Shipping Project, an international initiative on sustainable shipping and transportation

September, 2019
– August, 2020

Program Analyst, Tufts Office of Strategy and Program Development

- Analyzed proposed academic programs and operational development for Tufts University to determine financial viability
- Conducted market and labor demand research to develop strategic recommendations using data mining techniques
- Developed reports to convey the results of program research, and provide financial recommendations to the Executive Vice President of Tufts University and board of directors

TECHNICAL SKILLS & VOLUNTEER EXPERIENCE

- **Relevant Coursework:** Advanced Machine Learning & AI, Generative AI, Computer Vision, Big Data & Cloud Computing, Mathematical Modeling, Real Analysis
- **Coding Languages:** Python, SQL, R, SAS
- **Key Libraries:** Pandas, PyTorch, scikit-learn, LangGraph, Matplotlib, SciPy, PySpark
- **Masters Capstone:** Developed AI meeting preparation app, using agentic techniques - won 2nd place in UChicago Data Science capstone competition
- **Volunteering:** Mentored a team in the 2025 Women in Data Science National Datathon