

Lily Campbell

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EDUCATION

University of Chicago, Expected August 2025 Specialized in Machine Learning & AI
M.S Applied Data Science

Tufts University, May 2021 Magna Cum Laude
B.S. Mathematics and Quantitative Economics Phi Beta Kappa National Honors Society

EXPERIENCE

May 2022 –
Present

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

- Conduct analyses on consumer behavior and industry trends to inform strategic decision making by senior leadership
- Apply advanced analytics and machine learning techniques to find insights from big data - methods used include clustering, random forests, neural networks, and forecasting
- Previous projects include predicting the future financial health of clients based on their known transactions, and segmenting clients by their 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, Linear & Non-linear Modeling, Big Data & Cloud Computing, Mathematical Modeling, Real Analysis, Finance
- Proficient in Python, SQL, R, SAS, Tableau, Excel
- Participated in the 2023 Women in Data Science Datathon
- Volunteer math tutor for high school statistics