

Matthew Maslow

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EDUCATION

Boston University

Boston, MA

Master of Science in Data Science, GPA 3.4

May 2025

Courses: Bayesian Statistics, AI Ethics, Machine Learning, Deep Learning, Medical Science, Financial Analytics

St. Lawrence University

Canton, NY

Bachelor of Science in Data Science

May 2024

Courses: Mathematical & Applied Statistics, Advanced Statistical Models, Database Systems, Data Science

SKILLS

Programming: Python, R (RStudio), Excel, SQL, HTML

Tools: Jupyter Notebooks, DataGrip, VS Code, Git, MySQL, Microsoft Azure, APIs, JSON, Power BI, Tableau

Certificates: CITI, HIPAA

PROJECTS

Boston University

Bitcoin Sentiment Analysis Using Machine Learning and Azure-Based ETL | February 2025 – May 2025

- Built an Azure-based pipeline to process and train a machine learning model for anomaly detection on historical crypto price and sentiment data, supporting future integration with real-time analytics and Power BI dashboards for marketing insights

Tree-Based Beta Regression for Metatranscriptomics | November 2024 – December 2024

- Developed Bayesian framework using beta regression and Gibbs sampling to model microbial abundance from RNA-seq data, addressing hierarchical taxonomic structures and missing data for improved differential abundance analysis

Save The Children: Catch-Up Clubs | October 2024 - December 2024

- Built predictive models (math, literacy) with team of 5 to analyze student retention in Uganda, Nigeria, and the Philippines
- Identified key risk factors, implemented interactive dashboard to support data-driven interventions and presented to client

St. Lawrence University

Senior Year Experiences: SCORE Network | February 2024 - April 2024

- Collected, cleaned (ETL), and analyzed data (PBR, Dakar Rally); presented at university showcase and submitted to SCORE

RELEVANT EXPERIENCE

Brown University Health (formerly Lifespan) | Providence, RI

Data Engineer Intern

June 2024 – December 2024

- Analyzed ICU sepsis patient data from MIMIC-IV implementing uniform distribution to prevent data bias
- Supported Dr. Maya Cohen and Ray Tanzer, refined data and presented updates, and recommended next steps

Research Assistant

July 2023 - August 2023

- Conducted statistical analysis in RStudio, performed hypothesis testing on systolic pressure variations, and contributed to "Hemodynamic Monitoring in The Cardiac Surgical Patient" (Journal of Cardiothoracic and Vascular Anesthesia)

Shadow

July 2023 - August 2023

- Investigated factors of postpartum depression in single mothers, participated in core meetings with BERDI and researchers