

## Tolulope Oluwabunmi

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### PROFESSIONAL SUMMARY

Graduate student in Finance and Business Analytics with strong experience in financial modeling, data visualization, and machine learning. Skilled in Python, SQL, R, Excel, Power BI, and Tableau, with hands-on experience building valuation models, regression models, and interactive dashboards. Teaching Assistant and community volunteer with strong communication and leadership skills. Passionate about using data and digital tools to drive financial insights and strategic decisions.

### EDUCATION

Brandeis School of Business and Economics	<b>Waltham, MA</b>
Candidate for Master of Science in Finance (STEM-Designated)	08/2025 - 12/2026
Candidate for Master of Science in Business Analytics (STEM-Designated)	01/2025 - 12/2026
CFA Level I Candidate	11/2025

### University of Ilorin

**Bachelor of Science in Finance**, with Distinction

**Kwara, Nigeria**

10/2018 - 10/2023

### TECHNICAL SKILLS

**Programming Languages:** Python, SQL, R

**Computer Software:** Advanced Microsoft Excel, Tableau, Power BI

**Analytics:** Financial Modeling, Forecasting, Regression, Predictive Analytics, Data Visualization

**Machine Learning:** Linear/Logistic Regression, Random Forest, Decision Trees, KNN, SVM, Clustering (K-Means)

### FINANCE & ANALYTICS PROJECTS

#### Financial Modeling – Netflix & UPS | 2025

- Built full valuation models (DCF, comparable analysis, sensitivity analysis) in Excel for Netflix and UPS as part of graduate coursework
- Develop revenue drivers, forecasting frameworks, cost schedules, and scenario analyses aligned with corporate financial modeling standards
- Presented insights on valuation outcomes and strategic implications and investment insights

#### Massachusetts High Technology Council

**Massachusetts, USA**

#### Field Project (Consulting Project)

06/2025 - 08/2025

- Collaborated with a cross-functional graduate team to design and deliver interactive data visualizations supporting MHTC's economic competitiveness strategy
- Developed dashboards using Tableau and WordPress, improving accessibility of complex datasets for stakeholders
- Conducted data research, cleaning, and integration from sources such as CNBC and the Tax Foundation, ensuring reliability and accuracy of findings
- Presented insights to MHTC leadership, receiving positive feedback and influencing discussions on state policy initiatives

#### Seoul Bike Demand Forecasting Project | Brandeis School of Business and Economics | 2025

- Built and diagnosed a multivariate regression model on 8,760 hourly observations of Seoul bike rentals to identify key demand drivers
- Applied statistical techniques in R to evaluate variable significance; model achieved  $R^2 = 0.45$
- Delivered insights on seasonality, weather effects, and holidays, translated findings into strategic recommendations (fleet allocation, weather-based incentives, seasonal campaigns)

#### Additional Projects (Python, R, SQL, Machine Learning):

<https://tolulopeoluwabunmi.github.io/Portfolio/>

### EXTRACURRICULAR ACTIVITIES & LEADERSHIP

Teaching Assistant -- Probability and Statistics for Business and Economics, Brandeis University	(08/25-present)
Information and Borrowing Assistant -- Brandeis Library	(06/25-present)
Community Service – Waltham Group (Teaching Assistant in Public Schools)	(08/25-present)

#### Professional Organizations:

Global Market Investment Club (Brandeis)

National Society of Black Engineers

Society of Women Engineers

CFA Society Boston