

# Bobby Squires

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## EDUCATION

### Northeastern University

Boston, MA

*Candidate for Bachelor of Science in Mathematics and Economics*

May 2026

**GPA:** 3.81/4

**Honors:** Dean's Scholarship, Dean's List, Radivonyk Fund for Student Research in Economics

#### Relevant Courses:

Adv. Probability & Statistics

Adv. Applied Econometrics 1 & 2 (PhD)

Adv. Linear Algebra

Macroeconomic Theory

Differential Equations & Linear Algebra

Microeconomic Theory

Real Analysis

Information Economics & Game Theory

Statistics & Stochastic Processes

Programming with Data

## WORK EXPERIENCE

### Wellington Management

Boston, MA

*Global Risk & Analytics, Fixed Income Co-op*

Dec. 2024 – Jun. 2025

- Developed a modular Python library for ex-post risk and performance analysis on arbitrary return time series, with integrated visualizations to support communications with investors and reduce repetitive coding for risk teams.
- Built a performant Python module for pulling, validating, and dynamically aggregating 22M+ rows of risk model data using lazy evaluation, improving speed and data quality; contributed to team-wide goal of expanding historical scenario analysis capabilities.
- Enhanced risk dashboard for multi-manager fixed income hedge funds, enabling allocation-scaled risk views and historical correlation analysis for risk takers.
- Presented market updates weekly to Fixed Income Risk, integrating new databases into a dynamic Python report to systematize the process; report was used by the team for monthly presentations to investment leadership.

### Northeastern University Department of Economics

Boston, MA

*Research Assistant*

Aug. 2024 – Dec. 2024

- Assisted Prof. Matthew Ross with criminal justice research using administrative policing data across 50 US municipalities over a 10-year period.
- Wrote Stata scripts to clean, standardize, and merge municipal datasets into larger samples, while cataloging existing data to support future research.
- Independently applied for and received a Radivonyk Fund for Student Research in Economics grant to support work with Prof. Ross.

## ACTIVITIES

### NEU Fed & Fiscal Challenge Team

- Led Northeastern team since 2024, teaching monetary policy, fiscal policy, macroeconomics, and economic policy writing skills to other students. Selected for finals and placed 3<sup>rd</sup> nationally in the 2023 and 2024 Fiscal Challenge.
- Created a fiscal policy package and long-term budget model, including adjustments to debt sensitivity of interest rates, and alternative scenarios with growth shocks.
- Analyzed economic indicators in a mock FOMC meeting, writing code for data visualization of inflation decompositions, Beveridge, and Phillips curves.

**Technical Skills:** Python (Polars, Pandas, NumPy, SciPy, statsmodels, Plotly), Stata, R, Git (GitHub, BitBucket), LaTeX, MySQL, Amazon S3, Excel, PowerPoint