Malcolm Certain

📍 Providence, RI 🏛 Brown University ✉ malcolm_certain@brown.edu ☎ 206-276-9220

Education

Brown University — Providence, RI
Sc.B. in Applied Mathematics - Economics and Urban Studies (4.0 GPA) — Spring 2026 (expected)
Relevant Coursework: Applied econometrics (Ph.D.-level), microeconomics (Ph.D.-level), mathematical econometrics, probability theory, mathematical statistics, real analysis, time series statistics

Research Experience

Rhode Island Public Expenditure Council — Providence, RI
Intern — Fall 2025
- Cleaned and analyzed large data sets on government revenues and expenditures in Excel
- Conducted literature review and regression analysis on chronic absenteeism in Rhode Island

Annenberg Institute at Brown University — Providence, RI
Undergraduate Research Assistant, Matthew A. Kraft — Fall 2024 – Present
- Significantly improved runtime, memory usage, and readability of R, Python code processing large data sets
- Ran event studies on effects of natural disasters on student outcomes in Stata

Brown University — Providence, RI
Undergraduate Research Assistant, Anna Aizer — Summer 2025
- Created complete data analysis pipeline from raw data to results in Stata
- Managed team of undergraduates, taught them research and Stata skills

Annenberg Institute at Brown University — Providence, RI
Undergraduate Research Assistant, Jesse Bruhn — Spring 2025
- Came up with main identification strategy for research project
- Created effective data visualizations for internal use in R
- Wrapped R code in functions to flexibly apply empirical strategy to different events

Brown University — Providence, RI
Undergraduate Research Fellow for Social Science and Public Policy — Summer 2024

Teaching Experience

Brown University — Providence, RI
Undergraduate Teaching Assistant — Spring 2023 – Present
- Taught undergraduates skills in microeconomics, econometrics and mathematics
- Organized additional skills-building workshops for students

Brown University — Providence, RI
Economics Peer Advisor — Fall 2025 – Present

Brown University — Providence, RI
Meiklejohn Peer Advisor — Fall 2025 – Present

Awards and Honors

Phi Beta Kappa — Spring 2025
Omicron Delta Epsilon — Spring 2025

Skills

Programming Languages: R, Stata, Python, Julia, SQL
Software: Git, Excel, LaTeX, ArcGIS
Academic: Econometrics, causal inference, report writing, microeconomics