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)

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

- Cleaned and analyzed large amounts of Census data in Stata

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

- Provided academic and professional advice to economics students at Brown

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

- Advised group of first-years on academics and extracurriculars

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, literature review, microeconomics