

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	Spring 2026 (expected)

Research Experience

Annenberg Institute at Brown University	Providence, RI
Undergraduate Research Assistant, Matthew A. Kraft	Fall 2024 – Present

Contributed to multiple projects at intersection of climate change and education. Significantly improved code runtime, memory usage, and readability. Ran event studies on the effect of natural disasters on student outcomes.

Brown University	Providence, RI
Undergraduate Research Assistant, Anna Aizer	Summer 2025

Analyzed effect of school finance reforms on infant health. Managed team of undergraduate research assistants, taught them Stata and research skills.

Annenberg Institute at Brown University	Providence, RI
Undergraduate Research Assistant, Jesse Bruhn	Spring 2025

Conducted initial analysis on how city council meetings are shaped by political context. Came up with main identification strategy for project. Wrapped code in functions that applied research design to different events.

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

Cleaned and analyzed data on the effects of credit access on building intergenerational wealth. Participated in skills-building workshops on Stata, research practices.

Brown University	Providence, RI
Undergraduate Research Assistant, John Logan	Spring 2024

Georeferenced hand-drawn maps in ArcGIS.

Brown University	Providence, RI
Undergraduate Research Assistant, Amy Handlan	Winter 2024

Labelled audio data to train deep learning model.

Teaching Experience

Brown University	Providence, RI
Undergraduate Teaching Assistant, Intermediate Microeconomics	Spring 2024, Fall 2025

Undergraduate Teaching Assistant, Economics of Social Policy	Spring 2025
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Tutor, Math Resource Center	Fall 2024
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Undergraduate Teaching Assistant, Single Variable Calculus I	Spring 2024
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Undergraduate Teaching Assistant, Single Variable Calculus II	Fall 2023
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Undergraduate Teaching Assistant, Applied Ordinary Differential Equations	Summer 2023
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Undergraduate Teaching Assistant, Multivariable Calculus	Spring 2023
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Math Teaching Fellow	Spring 2023
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Awards and Honors

Phi Beta Kappa	Spring 2025
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Omicron Delta Epsilon	Spring 2025
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Skills

Programming Languages: Stata, R, Python, Julia, SQL

Software: LaTeX, ArcGIS, QGIS, Git