# Malcolm Certain

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

## Education

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| **Brown University** | Providence, RI |
| Sc.B. in Applied Mathematics - Economics and Urban Studies (4.0 GPA) | Spring 2026 (expected) |

## Research Experience

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| **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

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| **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

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| **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

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| **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

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| **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

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| **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

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

- Provided academic and professional advice to economics students at Brown

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

- Advised group of first-years on academics and extracurriculars

## Awards and Honors

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| 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