CAROLYN LIU

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EDUCATION

Harris School of Public Policy, University of Chicago   Chicago, IL
Master of Science in Computational Analysis and Public Policy   *Expected June 2023*
- Relevant coursework: Computer Science with Applications I-II, Machine Learning for Public Policy, Databases for Public Policy, Data Visualization, Program Evaluation

Wellesley College   Wellesley, MA
Bachelor of Arts in Economics, Minor in Mathematics, Magna Cum Laude   *June 2018*
- Awarded the Natalie Bolton Faculty Prize in Econometrics (2017): Prize for the best econometrics group paper

EXPERIENCE

Harris School of Public Policy   Chicago, IL
Graduate Teaching Assistant (Advanced Statistics for Data Analysis I)   *September 2022 - Present*
- Lead two recitation sections, including preparation of materials to facilitate
- Host weekly office hour and grade/provide timely feedback on course assignments

Civic Digital Fellowship   Remote
Data Science Fellow at US Census Bureau   *June 2022 - August 2022*
- Selected from an applicant pool of 1,600 students with an acceptance rate of 10% as part of the Civic Digital Fellowship, a Coding it Forward fellowship that empowers early-career technologists to explore careers in the federal government.
- Conducted exploratory linking and analysis in python between Business Formation Statistics and various demographic datasets, developing a process for how an improved data product will be assembled
- Presented findings to an external audience and senior internal leadership on the process for assembling improved data product

Harris School of Public Policy   Chicago, IL
Research Assistant   *March 2022 - June 2022*
- Leveraged STATA to build infrastructure for large, newly acquired consumer expenditures data
- Explored APIs and string-matching techniques to fill in ~5 million missing key identifiers
- Devised data visualizations for online and offline weekly spending

Harvard Business School   Boston, MA
Research Associate   *July 2018 - July 2021*
- Utilized STATA and SAS to apply econometric models using administrative and financial data
- Aided in the development of HBS cases used in the MBA curriculum by conducting company due diligence, interviewing company staff, and creating requisite data representations

Wellesley College Department of Economics   Wellesley, MA
Case Fellow   *September 2017 - December 2017*
- Developed written lecture hand-outs and examples for future Econometrics classes
- Hosted weekly office hours, STATA lab classes, and graded problem sets for twenty Econometrics students

NERA Economic Consulting   Washington, DC
Intern, Securities and Finance Practice   *June 2017 - August 2017*
- Analyzed raw data from the Office of the Comptroller of the Currency using STATA to create visual exhibits using Excel for a cost-benefit analysis
- Prepared information memorandums for five team members by understanding derivatives markets regulation and analyzing government cost-benefit analyses

Wellesley College Department of Economics   Wellesley, MA
Social Science Summer Research Fellow   *May 2016 - July 2016*
- Utilized STATA to analyze data and applied difference in differences model to isolate health effects of those born before and after implementation of advanced agricultural technology for different birth cohorts
- Presented preliminary research findings at weekly lunch seminars and an end-of-summer poster session open to all community members

Wellesley College Pforzheimer Learning and Teaching Center   Wellesley, MA
Economics Tutor and Grader   *January 2015 - May 2016*
- Selected to tutor and grade Principles of Microeconomics based on merit among sixty students
- Hosted 2-hour weekly office hours to sixty students each semester and graded biweekly problem sets

PUBLICATIONS

- Rouen, Ethan, and Carolyn Liu. "Education Partners: Becoming Actively Anti-Racist (B)." Harvard Business School Supplement 122-049, November 2021.
- Rouen, Ethan, and Carolyn Liu. "Education Partners: Becoming Actively Anti-Racist (A)." Harvard Business School Case 122-048, November 2021.

SKILLS

- Technical: Python (numpy, pandas, matplotlib, scikit-learn), STATA, SAS, D3js (basic)
- Mandarin Chinese (Conversational)