

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, 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

US Census Bureau/Coding it Forward

Remote

Civic Digital Fellow

June 2022 - Present

- Coding it Forward is empowering the next generation of technology leaders to innovate at the intersections of technology and public service in local, state, and federal government offices across the United States
- Conduct exploratory analysis in python (pandas) and linking between various demographic datasets and Business Formation Statistics

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

- 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: STATA, SAS, Python (numpy, pandas, BeautifulSoup), R (basic)
- Mandarin Chinese (Conversational)