

# Shirley Cai

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## Education

- 2022-2027  
(Expected) **Emory University**, Atlanta, GA.  
**Ph.D. Economics**  
*Selected Coursework:* Microeconomic Theory, Probability Theory, Econometrics I  
*Incoming Coursework:* Health Economics I, Market Structure and Imperfect Competition
- 2021–2022 **Stanford University**, Stanford, CA.  
**M.S. Statistics**  
*Selected Coursework:* Applied Statistics I, Introduction to Causal Inference, Sampling
- 2017–2022 **Stanford University**, Stanford, CA.  
**B.A. Economics**  
*Selected Honors:* Blackers Fund Fellow

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## Research Experience

- 04/2021–08/2022 **Research Assistant to Professor Karen Eggleston**, *Shorenstein Asia-Pacific Research Center*, Stanford University.  
Selected to participate in the Department of Economics's **Summer Undergraduate Research Assistant Program** in 2021 and funded through a department grant.  
Worked with Professor Eggleston on three projects: (1) exploring changes in ownership distribution in U.S. hospitals and nursing homes over time, (2) studying the effect of robots on staffing in Japanese nursing homes, and (3) exploring relationships between quality of care and staffing outcomes in Japanese nursing homes. Headed analytical work on adjusting for survey non-response bias on the project on quality of care and staffing outcomes.
- 06/2020–09/2020 **Research Assistant to Professor Larry Goulder**, *Stanford University*.  
Selected to participate in the Department of Economics's **Summer Undergraduate Research Assistant Program** in 2020 and funded through a department grant.  
Developed a model for pension fund dynamics fully coded in MATLAB with guidance from Professor Goulder. Found data over time for population, number of workers, fertility rates, mortality rates, etc. Formatted all data to be used in the model. Coded the model in MATLAB using the data, and calibrated the model to a benchmark year. Projected the Social Security Trust Fund from the benchmark year to 2070. Kept well-organized documentation.

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## Research Interests & Skills

- Interests Health economics, labor economics, applied microeconomics, industrial organization  
Coding R, Stata, Python, MATLAB, LaTeX