

# Shirley Cai

☎ (615) 457-4745   ✉ shirley.cai@emory.edu   🌐 shirleycai.netlify.app   📄 scai5

## Research Interests

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Health Economics, Labor Economics

## Education

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**Emory University** Atlanta, GA  
*Ph.D. in Economics* 2022 – 2027 (*expected*)

◦ **Selected Coursework:** Health Economics I & II, Empirical IO, Labor Economics

**Stanford University** Stanford, CA  
*M.S. in Statistics* 2021 – 2022

◦ **Selected Coursework:** Applied Statistics I, Introduction to Causal Inference, Sampling

*B.A. in Economics* 2017 – 2022

◦ **Selected Honors:** Blacker Fellowship (2022)

## Works in Progress

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1. To Operate or Not to Operate: The Effects of Medical School on Current Treatment Intensity

## Research Experience

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**Research Assistant to Matt Grennan**, Emory University *Spring 2025*  
Linked physician disciplinary action data to drug prescriptions and market exit.

**Research Assistant to Ian McCarthy**, Emory University *Fall 2023 – Spring 2024*  
Predicted physician race using images through the DeepFace library. Predicted physician race using name and location through the wru package. Evaluated name- and location-based predictions using external test sets.

**Research Assistant to Karen Eggleston**, Stanford University *Spring 2021 – Summer 2022*  
Worked 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.

**Research Assistant to Larry Goulder**, Stanford University *Summer 2020*  
Developed a model for pension fund dynamics fully coded and calibrated in MATLAB.

## Teaching Experience

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**Teaching Assistant**, Health Care Markets *Fall 2023 – 2024*

**Grader**, Intermediate Microeconomics *Spring 2024*

## Technical Skills

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**Computer Languages:** R, Python, Stata