

Siru Liu

Department of Economics | Georgia State University | siruliu456@gmail.com | (608)733-9991

EDUCATION

- 2026 Ph.D. in Economics (expected)
Georgia State University, GA, United States
- 2020 M.S. in Economics
University of Wisconsin-Madison, WI, United States
- 2017 Bachelor in Financial Management
Southwestern University of Finance and Economics, Chengdu, China

RESEARCH & DATA EXPERIENCE

Full-Stack Research Developer | School Choice with Incomplete Preferences

- Designed and implemented novel matching mechanism algorithms that extend in Python, developing custom functions to handle incomplete student preferences
- Designed interactive user interfaces using HTML to create engaging participant experiences
- Performed data analysis and visualization, implementing logistic regression models to evaluate welfare outcomes
- Conducted controlled experiments at GSU laboratory facilities and deployed experimental applications on Heroku platform, managing live web applications and participant recruitment

Data Science Consultant | Career Platform Effectiveness Study

- Designed the data preparation process on cleaning and merging three datasets on job seeker behavioral data, survey responses, and demographic information
- Developed linear and logistic regression models to evaluate platform effectiveness and user engagement patterns from 2021 to 2024
- Provided technical guidance on code improvement and interpreted model results for stakeholders

Experiment Designer | Online WIC Shopping Store Project

- Constructed experimental datasets by implementing randomized sampling algorithms on 200,000+ real Walmart product records to create representative WIC and non-WIC store environments
- Built pre- and post-shopping questionnaires using Qualtrics platform for quantitative user experience analysis

SOFTWARE AND SKILLS

Programming & Tools: Python, R, Stata, oTree, Qualtrics, MsWord, Excel, Powerpoint

Analytical Methods: Causal inference, Regression modeling, Experimental design