Zhu Liang

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SUMMARY

Detail-oriented and analytical Economics Ph.D. candidate with strong focus on empirical industrial organization and healthcare market analysis. Proficient in data analysis, econometric models, and deriving insights from complex data. Eager to leverage empirical research skills in data-centric roles.

EDUCATION

Ph.D. in Economics · **STEM Designation**, Stony Brook University   Expected Graduation: 2025
Research Fields: Empirical IO, Health Economics, Product Design

M.S. in Economics, University of Wisconsin-Madison   2017–2019

CERTIFICATIONS

GitHub Foundations, GitHub   2024

Advanced Graduate Certificate in Data and Computational Science   2022–2023
Institute for Advanced Computational Science, Stony Brook University

· Mastered key computer science concepts, including data structures and algorithms.
· Practical data science skills acquired, enabling insightful analysis of large datasets.
· Learned parallel computing techniques, boosting ability to process big computation efficiently.
· Improved ability to communicate complex ideas clearly to non-experts, enhancing team collaboration.

Google Data Analytics Professional Certificate, Coursera   2022

EXPERIENCE

Dissertation Research, Stony Brook
Risk Adjustment, Selection, and Plan Design in Medicare Advantage · 2024 CES Presentation

· Analyzed Medicare Advantage market, emphasizing profit strategies and product design.
· Constructed a comprehensive database on consumer demographics and product characteristics.
· Developed a BLP-style model to dissect demand and supply, highlighting novel selection mechanisms.
· Highlighted the role of health perceptions in plan choice, suggesting improvements for risk adjustment.

Research Assistant, Stony Brook   2021 – 2023

· Managed extensive databases for a major online automotive marketplace, focusing on transactions and listings.
· Showcased data processing skills with large datasets and statistical software.
· Collaborated effectively within a team, contributing to the analysis of market behaviors.

SKILLS

Programming: R (tidyverse), MATLAB, Python, C, MPI, CSS, HTML, Copoilot, Git

Languages: English (Fluent), Mandarin (Native)