

Yuanbo Zhang

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EDUCATION

University of Pittsburgh, Pittsburgh, PA

September 2023 - 2028(Expected)

PhD student of Health services research and Policy | GPA 3.75/4.0

University of Michigan-Ann Arbor, Ann Arbor, MI

September 2021 - May 2023

Master of Science in Applied Statistics | GPA: 3.63/4.0

Wheaton College, Norton, MA

September 2016 - May 2020

Bachelor of Arts in Mathematics and Philosophy | GPA 3.36/4.0

RESEARCH

University of Pittsburgh, Pittsburgh, PA

September 2023 - Present

Graduate Student Researcher, Urology Health Services Research Division

- Analyzed UPMC R3 data to evaluate post-operative telemedicine utilization in kidney cancer care from both patient and provider perspectives using weighted generalized linear models.
- Conducted mixed-effects logistic regression of Pennsylvania Cancer Registry and PCH4 claims data to assess socioeconomic, geographic, and clinical factors influencing access to NCI-designated cancer centers, as part of a statewide cancer care centralization study.

University of Michigan Engineering, Ann Arbor, MI

May 2022 - May 2023

Research Assistant, Center for Healthcare Engineering & Patient Safety (CHEPS)

- Applied R and Python to analyze EHR data and parameterize simulation models of prenatal care operations.
- Performed statistical hypothesis testing to inform policy recommendations for telemedicine adoption.

Shanghai University of Finance and Economics, Shanghai, China

May 2020 - June 2020

Research Assistant

- Built Python web-scraper to collect + clean automobile recall data; merged multi-source datasets to analyze the impact of recalls on car sales.

POSTER PRESENTATIONS

Zhang, Y., Taylor, C., Wu, S., Marchetti, K. A., Benjamin, D. J., Sabik, L. M., Yabes, J. G., & Jacobs, B. L. (2025).

Utilization of Telemedicine for First Postoperative Follow-Up Visits in Renal Tumor Surgery: A Single-Center Experience.

The 77th Northeastern Section of the American Urological Association (NSAUA) Annual Meeting.

Zhang, Y., Sharbaugh, D., Wu, S., *et al.* (2025). *Bridging the Gap: Understanding Socioeconomic and Geographic Inequities in Access to Specialized Cancer Care.* The AcademyHealth Annual Research Meeting (ARM)..

PUBLICATIONS

Madhavaram, A., Wu, S., Sharbaugh, D., **Zhang, Y.**, *et al.* (in press). *Factors associated with readmission to index vs. non-index hospitals after major cancer surgery.* *Cancer Medicine.*

RECOGNITION

Seth Bonder Fellowship in IOE, University of Michigan Engineering

2022

- To support industrial operations engineering research at CHEPS

Dean's List, Wheaton College

2018, 2019

- For maintaining a 3.5+ GPA

SKILLS

R (lme4, tidyverse), Python (pandas, NumPy, scikit-learn), Stata (basic), Tableau

Data linkage • Regression & Mixed-Effects Modeling • Health Services Research • Policy Analysis