

Haoming Shi

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[Personal Webpage](#)

Education

Rice University

Ph.D. Statistics

Advisor: [Eric C. Chi](#)

Houston, TX

Aug 2022 - Present

University of California – Santa Barbara

B.S. Financial Math and Statistics GPA: 4.0/4.0

- Dean's Honor Student every quarter.

Santa Barbara, CA

Sep 2018 – June 2022

Research Experience

Rice University

Department of Statistics

Graduate Research Assistant

Current Research Projects

- Robust Estimation of Spatiotemporal Models.
- Fast MM based Metropolis-Hastings Algorithm.
- Survival-based Clustering via Homogeneity Pursuit.

Houston, TX

Sep 2023 - Present

University of Texas MD Anderson Cancer Center

Department of Bioinformatics and Computational Biology

Graduate Research Intern

Supervisor: Wenyi Wang

Projects:

- Cancer Gene Mutation Classification using Homogeneity Pursuit.
- Bio-imaging analysis on Spatial Tumor Distribution.

Houston, TX

Aug 2022 – Aug 2023

Stanford Medicine

Center for Asian Health Research and Education

Undergraduate Research Assistant

Supervisor: Linda Geng and Fumiaki Ikeno

Projects:

- Leading Causes of Death for Japanese Americans.
- Misdiagnosis of Rare Diseases among Asian Americans.

Stanford, CA

June 2021 – June 2022

Teaching Experience

Rice University

Teaching Assistant

- STAT 607 (Statistical Computing)
- STAT 413 (Intro to Statistics Machine Learning)
- STAT 310 (Probability and Statistics)
- STAT 310 (Probability and Statistics)

Student Instructor

Houston, TX

Fall 2024

Fall 2023

Spring 2023

Fall 2022

Presentation and Talks

Selected Talks

1. A Robust Estimation Framework for Spatiotemporal Epidemic Models. *AI2Health Workshop*. Sep 2024.
2. A Robust Estimation Framework for Spatiotemporal Epidemic Models. *Joint Statistical Meetings*. Aug 2024.

Poster Presentations

1. A Robust Estimation Framework for Spatiotemporal Epidemic Models. *Institute for Research in Statistics and its Applications*. May 2024.
2. A Robust Estimation Framework for Spatiotemporal Epidemic Models. *43rd Annual Conference of Texas Statisticians*. May 2024.
3. Annotating TP53 Germline Mutations from Patient Time-to-Cancer Diagnosis via Homogeneity Pursuit in Cox Regression. *2023 Leading Edge of Cancer Research Symposium*. Nov. 2023.
4. Leading Causes of Death for Japanese Americans. *2022 Consortium of Universities for Global Health*. March 2022.

Honors and Awards

Highest Honors at Graduate. University of California – Santa Barbara

June 2022

Professional Memberships

American Statistical Association (ASA)

2023 - Present

Volunteer Service

Volunteer, Perspective PhD Student Visit, Rice University

2023 - Present

- Help organize and meet with perspective students during onsite visits.

Presenter, PhD Student Seminar, Rice University

Sep 2023

- Volunteer presenter at our PhD student seminar.