

# Wenbin Zhou

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## EDUCATION

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**Carnegie Mellon University**

2023 - Present

Ph.D. in Machine Learning and Public Policy

Advisor: Shixiang (Woody) Zhu

**University of Science and Technology of China**

2019 - 2023

B.S. in Statistics

## WORK EXPERIENCES

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**Carnegie Mellon University**

Sept 2024 - Present

Research Assistant

**Argonne National Laboratory**

May 2024 - Sept 2024

Technical Research Aide

## CONFERENCES

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- [1] Aoran Zhang, Wenbin Zhou, Liyan Xie, and Shixiang Zhu, *Recurrent Neural Goodness-of-Fit Test for Time Series*. International Conference of Artificial Intelligence and Statistics (**AISTATS**). 2025.
- [2] Shenghao Wu, Wenbin Zhou, Minshuo Chen, and Shixiang Zhu. *Counterfactual Generative Models for Time-Varying Treatment*. ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (**KDD**). 2024.
  - **Spotlight** (5 out of 44), Deep Generative Models for Health Workshop, NeurIPS 2023.
  - Short version accepted by Causal Representation Learning Workshop, NeurIPS 2023

## PREPRINTS

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- [1] Wenbin Zhou, Liyan Xie, Zhigang Peng, and Shixiang Zhu, *Sequential Online Change Point Detection via Denoising Score Matching*. Preprint. 2025.
- [2] Wenbin Zhou, Shixiang Zhu, Feng Qiu, and Xuan Wu, *Hierarchical Spatio-Temporal Uncertainty Quantification for Distributed Energy Adoption*. Preprint. 2024.
- [3] Wenbin Zhou and Jin-Hong Du, *Distance-Preserving Spatial Representations of Genomic Data*. Preprint. 2024.
  - Short version accepted by International Workshop on Data Mining in Bioinformatics, 2024

## HONORS & AWARDS

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Institute for Mathematical and Statistical Innovations (IMSI) Travel Grant	2024
First Place, 2023 YinzOR Student Conference Poster Competition	2023
Winner's Prize, 13th S.-T. Yau College Student Mathematics Contest	2022
First Class, USTC Outstanding Student Scholarship $\times 2$ ( $\leq 3\%$ winning rate)	2020, 2022

## TEACHING EXPERIENCES

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Undergraduate Teaching Assistant at USTC:

- Regression Analysis (01714601) *Fall 2022*
- A Primer to Game Theory (MNSC200101) *Spring 2023*

## PROFESSIONAL SERVICE

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Session Chair for “Predictive Analytics for High-stake Decision Making” at INFORMS 2024.

Session Chair for Flash Talk and Poster Session at YinzOR 2024.

Journal Referee for INFORMS Journal on Computing.

Journal Referee for Journal of Agricultural, Biological and Environmental Statistics.

Journal Referee for IEEE Transactions on Power Delivery.

Conference Reviewer for KDD (2023, 2024), ACML (2024), IEEE PES GM (2025).