ZHIKAI WU

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RESEARCH INTEREST

Machine Learning and Computational Biology

EDUCATION

Yale University   New Haven, CT
Ph.D. in Computer Science   *Aug. 2024 – Present*

- Advisor: Dr. David van Dijk
- Research Focus: Machine Learning for Computational Biology

University of Michigan, Ann Arbor   Ann Arbor, MI
Bachelor of Science in Honors Mathematics (Minor in Computer Science)   *Sep. 2019 – May 2023*

- Graduated with Highest Distinction
- GPA: 4.0 / 4.0

PUBLICATIONS

GeoFunFlow: Geometric Function Flow Matching for Inverse Operator Learning over Complex Geometries

S. Wang*, Z. Wu*, et al. (Under Review)

Predicting Microbial Community Productivity Based-On Genomic Sequences with Graph Neural Network

J. Hou, P. X. Geng, Z. Wu, et al. (2024 17th International Congress on Image and Signal Processing, BioMedical Engineering and Informatics)

COAST: Intelligent Time-Adaptive Neural Operators

Z. Wu, et al. (ICML 2025 Workshop on AI4Math (Poster))

TANTE: Time-Adaptive Operator Learning via Neural Taylor Expansion

Z. Wu, et al. (Under Review)

* denotes equal contribution

HONORS & AWARDS

- **Fan Family Fellowship**, Yale University (2025)
- **Outstanding Achievement in Mathematics Award**, University of Michigan, Ann Arbor (2023)
- **James B. Angell Scholar**, University of Michigan, Ann Arbor (2023)
- **University Honors**, University of Michigan, Ann Arbor (2022, 2023)

SERVICES

Conference Reviewer

- International Conference on Learning Representations (ICLR)
- AI4MATH Workshop at ICML 2025