

ZHIKAI WU

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RESEARCH INTEREST

Machine Learning and Computational Biology

EDUCATION

Yale University

Ph.D. in Computer Science

New Haven, CT

Aug. 2024 – Present

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

University of Michigan, Ann Arbor

Bachelor of Science in Honors Mathematics (Minor in Computer Science)

Ann Arbor, MI

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*, D. van Dijk, L. Lu (In Review)*

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

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

COAST: Intelligent Time-Adaptive Neural Operators

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

TANTE: Time-Adaptive Operator Learning via Neural Taylor Expansion

Z. Wu, S. Wang, S. Zhang, S. He, et al. (In 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