Yiming Sun

Curriculum Vitae

Department of Computer Engineering
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Education

2022–present   **PhD student, Computer Engineering**, *University of Pittsburgh*, US.
Advisor: Dr. Xiaowei Jia

2018–2022   **Bachelor of Science, Computer Science and Technology**, *University of Science and Technology of China*, China.
GPA: 90.5/100, Ranking: 9th/178. Selected awards: Excellent Student Scholarship Gold Award (top 3%)

Publications

2025   **Yiming Sun**, Runlong Yu, Runxue Bao, Yiqun Xie, Ye Ye, and Xiaowei Jia. Domain-adaptive continual meta-learning for modeling dynamical systems: An application in environmental ecosystems. *SIAM International Conference on Data Mining (SDM)*, 2025.

2025   **Yiming Sun**, Shuo Chen, Shengyu Chen, Chonghao Qiu, Licheng Liu, Youmi Oh, Sparkle L Malone, Gavin McNicol, Qianlai Zhuang, Chris Smith, Yiqun Xie, and Xiaowei Jia. X-methanewet: A cross-scale global wetland methane emission benchmark dataset for advancing science discovery with ai. *arXiv preprint arXiv:2505.18355*, 2025.

2024   **Yiming Sun**, Xumeng Wen, Shun Zheng, Xiaowei Jia, and Jiang Bian. Scaling generative tabular learning for large language models. *NeurIPS 2024 Third Table Representation Learning Workshop*, 2024.

2024   **Yiming Sun**, Yuhe Gao, Runxue Bao, Gregory F Cooper, Jessi Espino, Harry Hochheiser, Marian G Michaels, John M Aronis, and Ye Ye. Online transfer learning for rsv case detection. *The 12th IEEE International Conference on Healthcare Informatics (**Best Paper Award**)*, 2024.

2023   Runxue Bao*, **Yiming Sun***, Yuhe Gao, Jindong Wang, Qiang Yang, Haifeng Chen, Zhi-Hong Mao, and Ye Ye. A survey of heterogeneous transfer learning. In *arXiv preprint arXiv:2310.08459*, 2023.

2021   **Yiming Sun***, Zixing Song*, and Irwin King. Score-based graph generative model for neutrino events classification and reconstruction. In *Machine Learning and the Physical Sciences Workshop at the 37th conference on Neural Information Processing Systems (NeurIPS)*, 2021.

Work Experience

Summer 2025   **Research Intern**, NEC Labs America.

Spring 2025   **Guest Lecturer**, *CS2756 Principles of Data Mining*, University of Pittsburgh.

Fall 2024   **Guest Lecturer**, *ECE 2556 NEURO-SIGNAL MODELING & ANALYSIS*, University of Pittsburgh.

Summer 2024   **Research Intern**, Microsoft Research Asia.

2022–present   **Graduate Student Researcher**, University of Pittsburgh.

Fall 2021   **Teaching Assistant**, *Foundation of Algorithms*, University of Science and Technology of China.

Summer 2021   **Research Intern**, The Chinese University of Hong Kong.