

Yiming Sun

Curriculum Vitae

Department of Computing Engineering
University of Pittsburgh
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Education

- 2022–present **PhD student, Computer Engineering, University of Pittsburgh, US.**
Research Area: Transfer Learning, Domain Generalization. Advisor: Ye Ye
- 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

- 2023 **Yiming Sun***, Runxue Bao*, 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.
- 2023 Qi Cheng*, Mert Inan*, Rahma Mbarki*, Grace Grmek*, Theresa Choi*, **Yiming Sun**, Kimele Persaud, Jenny Wang, and Malihe Alikhani. Learning multimodal cues of children’s uncertainty. In *Proceedings of the 24th Meeting of the Special Interest Group on Discourse and Dialogue*, pages 433–443, 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.

Research Experience

- Jul, 2021 – **Neutrino Event Classification Using Graph Neural Networks**, Advised by Dr. Irwin King.
- Sept 2021 Developed research on Graph Neural Networks for neutrino event classification in IceCube. Enhanced graph construction using score-based generative models, improving downstream task performance. Presented findings at NeurIPS 2021’s Machine Learning and Physical Sciences workshop.
- Jan, 2023 – **Heterogeneous Transfer Learning Survey**, Advised by Dr. Ye Ye.
- Oct 2023 Led a comprehensive survey on heterogeneous transfer learning, evaluating over 60 methods. Examined various techniques across multiple learning scenarios and applications. Addressed limitations of current studies to guide future research.

Work Experience

- Fall, 2021 **Teaching Assistant, Foundation of Algorithms**, University of Science and Technology of China.
- 2022–present **Graduate Student Researcher**, University of Pittsburgh.