Tianyu Fan

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[Homepage][Google Scholar][Github]

EDUCATION

Zhejiang University — Sept. 2020—June 2024 (expected)
B.Eng. in Automation
- **GPA:** 3.98/4.00, 90.38/100
- **Rank:** 11/122
- **English Proficiency: Toefl:** 98 (R: 26, L: 25, S: 23, W: 24)

SELECTED PUBLICATIONS

Decoupling Weighing and Selecting for Integrating Multiple Graph Pre-training Tasks
Tianyu Fan*, Lirong Wu*, Yufei Huang, Haitao Lin, Cheng Tan, Zhangyang Gao, Stan Z. Li
ICLR 2024

Fine-tuning Graph Neural Networks by Preserving Graph Generative Patterns
Yifei Sun, Qi Zhu, Yang Yang, Chunping Wang, **Tianyu Fan**, Jiajun Zhu, Lei Chen
AAAI 2024

Extracting Low-/High- Frequency Knowledge from Graph Neural Networks and Injecting it into MLPs: An Effective GNN-to-MLP Distillation Framework
Lirong Wu, Haitao Lin, Yufei Huang, **Tianyu Fan**, Stan Z. Li
AAAI 2023 (Oral)

REASEARCH EXPERIENCES

AI Lab, Westlake University
Research Intern, advised by Prof. Stan Z. Li — June. 2022—Nov. 2022
- work on knowledge distillation, analyzed the shortage during distillation from GNN to MLP in the spatial domains and proposed a framework to improve it, resulted in **an oral paper (AAAI'23)**.
- work on self-supervised learning, aimed at combining self-supervised tasks on graph in a fully automated way, resulted in **a top conference paper (ICLR'24, first author)**.

AI-Net, Zhejiang University
Research Intern, advised by Prof. Yang Yang — Dec. 2022—March. 2023
- work on graph pre-training&fine-tuning, with particular attention to narrow the gap when pre-trained models are applied to downstream tasks, resulted in **a top conference paper (AAAI'24)**.

DMML Lab, Arizona State University
Research Intern, advised by Prof. Huan Liu & Prof. Kaize Ding — March. 2023—Sept. 2023
- work on graph life-long learning, dividing forgetting on graph into benign and malignant, and using prompt-tuning to relieve malignant forgetting **(under review, first author)**.

ACADEMIC PERFORMANCE

- **Programming:** C Programming (95), Lectures on Programming(94)
- **Mathematics:** Calculus (90), Linear Algebra (91), Ordinary Differential (95), Complex Function and Integral Transform (96), Probability and Mathematical Statistics (95), Numerical Computation Method (95)

SELECTED AWARDS AND HONORS

- Zhejiang University Second-class Scholarship (4/123) — 2022, 2023
- Zhejiang Provincial Government Scholarship (6/123) — 2022, 2023
- Outstanding Student (10/123) — 2023
- Xiaomi Scholarship (10/735) — 2022
- National College Student Mathematics Competition (Second Prize) — 2022