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## Tianyu Fan

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[ [Homepage](#) ] [ [Google Scholar](#) ] [ [Github](#) ]

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## EDUCATION

### Zhejiang University

B.Eng. in Control Science and Engineering

Sept. 2020—June 2024 (expected)

- **GPA:** 3.99/4.00, 90.54/100
- **English Proficiency**
  - **CET-6:** 578

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## PUBLICATIONS

A Paper on Graph Pre-training

**Tianyu Fan**, other anonymous authors

Submitted to an AI conference

Automated Graph Self-supervised Learning via Multi-teacher Knowledge Distillation

Lirong Wu, Yufei Huang, Haitao Lin, Zicheng Liu, **Tianyu Fan**, Stan Z. Li

arXiv preprint arXiv:2210.02099

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)

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## EXPERIENCES

### AI-Net, Zhejiang University

Research Intern, advised by Prof. Yang Yang

Nov. 2022—Present

- working on graph pre-training, with particular attention to the shortcomings of existing pre-training tasks, and try to design methods to combine existing tasks for joint training to compensate for their shortcomings.

### AI Lab, Westlake University

Research Intern, advised by Prof. Stan Z. Li

June. 2022—Nov. 2022

- working on knowledge distillation, analyzed the shortage during distillation from GNN to MLP in the spatial domains and proposed a framework to improve it.
- working on self-supervised learning, aimed at searching and combining self-supervised learning tasks on graph in a full-automation way.

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## SELECTED AWARDS AND HONORS

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|---|------|
| • ZheJiang University Second-class Scholarship (4/126)  | 2022 |
| • Liyue Venture Capital Student Scholarship (10/126)    | 2022 |
| • ZheJiang University Second-class Scholarship (30/735) | 2021 |
| • Xiaomi Scholarship (10/735)                           | 2021 |

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## SKILLS

**Programming Languages (frequently used):** C, C++, Python, Matlab

**Python Libraries:** NumPy, PyTorch, PyG

**Tools:** git, L<sup>A</sup>T<sub>E</sub>X