
Tianyu Fan

The School of Computing and Data Science
The University of Hong Kong
[[Homepage](#)] [[Google Scholar](#)] [[Github](#)]

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EDUCATION

The University of Hong Kong	2024-present
Ph.D candidate in Computer Science, advised by Prof. Chao Huang & Prof. Kao, Benjamin C.M.	
Zhejiang University	2020-2024
B.Eng. in Automation, advised by Prof. Wei Jiang	

SELECTED PAPERS

DeepInnovator: Triggering the Innovative Capabilities of LLMs

Tianyu Fan, Fengji Zhang, Yuxiang Zheng, Bei Chen, Xinyao Niu, Chengen Huang, Junyang Lin, Chao Huang
Arxiv: 2602.18920

AI-Trader: Benchmarking Autonomous Agents in Real-Time Financial Markets

Tianyu Fan, Yuhao Yang, Yangqin Jiang, Yifei Zhang, Yuxuan Chen, Chao Huang
Arxiv: 2512.10971 (11.7k+ stars on GitHub)

Understanding DeepResearch Via Reports

Tianyu Fan, Xinyao Niu, Yuxiang Zheng, Fengji Zhang, Chengen Huang, Bei Chen, Junyang Lin, Chao Huang
Arxiv: 2510.07861

AutoAgent: Fully-Automated & Zero-Code LLM Agent Framework

Jiabin Tang, **Tianyu Fan**, Chao Huang
Arxiv: 2502.05957 (8.7k+ stars on GitHub)

MiniRAG: Towards Extremely Simple Retrieval-Augmented Generation

Tianyu Fan, Jingyuan Wang, Xubin Ren, Chao Huang
Arxiv: 2501.06713 (1.8k+ stars on GitHub)

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

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)

SELECTED PROJECTS

ClawWork: OpenClaw as Your AI Coworker

[Project Page](#) (7.2k+ stars on GitHub)

Auto-Deep-Research: Your Fully-Automated and Cost-Effective Personal AI Assistant

[Project Page](#) (1.4k+ stars on GitHub)

SERVICES

Program Committee Member: ICML 2026; ICLR 2025, 2024; AAAI 2025; CIKM 2023

INTERNSHIPS

Qwen Team, Alibaba Group

Research Intern, advised by Dr. Bei Chen

March. 2025—Present

- Building [Qwen-DeepResearch](#) System.