
Tianyu Fan

The School of Computing and Data Science
The University of Hong Kong
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EDUCATION

The University of Hong Kong

2024-present

Ph.D candidate in Computing & Data Science, advised by Prof. Chao Huang & Prof. Kao, Benjamin C.M.

- Research Interest: Benchmark&Evaluation; Agent Evolution (Model-Harness Co-evolution);

Zhejiang University

2020-2024

B.Eng. in Automation, advised by Prof. Wei Jiang

SELECTED PAPERS

[**Post-Training**] HELIX: Model-Harness Co-evolution for Recursive Self-Improvement

Tianyu Fan, Chao Huang

Arxiv: 2608.13951

[**AutoResearch**] 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

[**Benchmarks**] 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 (22.9k+ stars on GitHub)

[**Benchmarks**] Understanding DeepResearch Via Reports

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

Arxiv: 2510.07861

[**RAG**] MiniRAG: Towards Extremely Simple Retrieval-Augmented Generation

Tianyu Fan, Jingyuan Wang, Xubin Ren, Chao Huang

ACL 2026, main (2k+ stars on GitHub)

[**Pre-Training**] 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

[**Agent**] AutoAgent: Fully-Automated & Zero-Code LLM Agent Framework

Jiabin Tang, **Tianyu Fan**, Chao Huang

ACL 2026, Findings (9.8k+ stars on GitHub)

SELECTED PROJECTS

AI-Trader: An agent-Native Trading Arena (**22.9k+ stars on GitHub**)

[Project Page](#) [Tech Report](#)

AgentSpace: Human + Agents. One Team. One Workspace. (**1k+ stars on GitHub**)

[Project Page](#)

CLI-Anything: Making ALL Software Agent-Native (**55.8k+ stars on GitHub**)

[Project Page](#) [Tech Report](#)

WORK EXPERIENCE

Qwen Team, Alibaba Group

Post-Training Researcher

March. 2025—Oct. 2026

- **Harness:** Build [Qwen-DeepResearch](#) System.
- **Post-train:** Develop post-training recipes to enhance the Qwen model's performance in coding, as well as in areas such as skill orchestration, search capabilities, and complex game development.
- **Research:** Explore methods for automated post-training of models, including the development of automated data evaluation pipelines, as well as the automated construction and iteration of training harnesses/environments.