

HONGJI CHEN 陈鸿基

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Education

Fudan University, Shanghai

Undergraduate Student

Sept. 2025 – Present

Shanghai Innovation Institute and Fudan University, Shanghai

Incoming Ph.D. Student, advised by Prof. Xipeng Qiu

Starting Fall 2029

Honors and Awards

- Shanghai Innovation Institute Ph.D. Offer, Summer 2026
- Youngest SII Ph.D. offer recipient up to Summer 2026

Research Interests

Multimodal reasoning, AI infrastructure, UMM (Unified Multimodal Models), VGM (Video Generation Models), and WAM (World Action Model).

Publication

- **AI Can Learn Scientific Taste**

Jingqi Tong, Mingzhe Li, Hangcheng Li, Yongzhuo Yang, Yurong Mou, Weijie Ma, Zhiheng Xi, **Hongji Chen**, Xiaoran Liu, Qinyuan Cheng, Ming Zhang, Qiguang Chen, Weifeng Ge, Qipeng Guo, Tianlei Ying, Tianxiang Sun, Yining Zheng, Xinchu Chen, Jun Zhao, Ning Ding, Xuanjing Huang, Yugang Jiang, Xipeng Qiu. *arXiv preprint arXiv:2603.14473*, 2026.

Experiences

Shanghai Innovation Institute

Research Intern, advised by Prof. Xipeng Qiu

Jul. 2026 – Present

Fudan NLP Lab / OpenMOSS Team

Research Intern, advised by Prof. Xipeng Qiu

Oct. 2025 – Present

Selected Projects

Shanghai Innovation Institute Research Cockpit

Major participant

2026 – Present

Full-process agentic research operating system for organized research, upgrading AI from stage-specific assistance to automated literature search, idea generation and evaluation, research-plan generation from goals, execution tracking, iterative verification, and lifecycle management. [InspireSkill](#) is a concrete outcome of this project, providing reusable skills and tool interfaces for agents to operate the Inspire compute platform through reproducible workflows.

Skills

Programming: Python, C/C++, Bash, Git, $\LaTeX$

Frameworks and Tools: PyTorch, Hugging Face Transformers, Linux, agent workflow infrastructure

Research: UMM (Unified Multimodal Models), VGM (Video Generation Models), WAM (World Action Model), AI research systems