Yuheng Yang

Undergraduate Researcher in AI Agents & LLM Reasoning

✉ yangyuheng@westlake.edu.cn

🌐 wzsyyh.github.io   ⭘ wzsyyh

Ⓖ Google Scholar

in LinkedIn   📍 Hangzhou, China

Education

Westlake University   *Hangzhou, China*
Bachelor of Science in Artificial Intelligence   2024 – 2028 (Expected)

Research Interests

AI Agents, Large Language Model (LLM) Reasoning, Multi-Modal Learning, Knowledge Extraction

Research Experience

University of Illinois Urbana-Champaign   *Remote*
Research Intern, advised by Prof. Jiaxuan You   Nov 2025 – Present

- Research on knowledge extraction from large language models
- Developed an interactive agentic framework for probing LLM knowledge boundaries

University of California, Merced   *Remote*
Research Intern, advised by Prof. Yiwei Wang   May 2025 – Oct 2025

- Explored techniques to improve reasoning capabilities of multi-modal LLMs

AGI Lab, Westlake University   *Hangzhou, China*
Undergraduate Research Assistant, advised by Prof. Chi Zhang   Aug 2024 – Present

- Conducting research on AI Agents and MLLM reasoning
- Led the development of Auto-Slides, a multi-agent system for academic presentation generation

Publications

Probing the Knowledge Boundary: An Interactive Agentic Framework for Deep Knowledge Extraction
Yuheng Yang, Siqi Zhu, Tao Feng, Ge Liu, Jiaxuan You
arXiv preprint, 2026
Paper | Code | Project

Auto-Slides: An Interactive Multi-Agent System for Creating and Customizing Research Presentations
Yuheng Yang, Wenjia Jiang, Yang Wang, Yiwei Wang, Chi Zhang
arXiv preprint, 2025
Paper | Code | Project

Projects

Auto-Slides [GitHub](#)

An interactive multi-agent system that transforms research papers into pedagogically structured academic presentations, leveraging cognitive science principles and interactive optimization techniques.

Awards & Honors

ICPC (International Collegiate Programming Contest)
EC-Final Silver Medal, Regional Gold Medal 2025

CCPC (China Collegiate Programming Contest)
Regional Gold Medal 2025

NOIP (National Olympiad in Informatics in Provinces)
First Prize, Zhejiang Province 2023

Technical Skills

Programming: Python, C++
Frameworks: PyTorch, LangChain, Transformers
Tools: Git, Linux, LaTeX