

Jiahe Jin

[✉ zizi0123@sjtu.edu.cn](mailto:zizi0123@sjtu.edu.cn) [🎓 google scholar](#) [🏡 homepage](#)

Education

Shanghai Jiao Tong University, B.Eng. in Computer Science

Shanghai, China

2022.09 – now

- **ACM Honors Class**, an elite research-oriented CS program.
- Zhiyuan Honors Program (top 5% of undergraduates).
- GPA: 3.93/4.3

Research Experience

Carnegie Mellon University, Research Intern, Advised by Prof. Chenyan Xiong

Pittsburgh, USA

Topics: Search Agents; Reasoning; Reinforcement Learning

2025.04 – Now

Beneficial Reasoning Behaviors in Agentic Search and Effective Post-training to Obtain Them

- Build a framework to identify beneficial reasoning behaviors in search agents.
- Propose a method to cultivate these reasoning behaviors and enable stronger improvements in RL.

Deepresearchgym: A Free, Transparent, and Reproducible Evaluation Sandbox for Deep Research

- Built a search agent sandbox with reproducible search API, and proposed a benchmark for deep research systems.

Deep Research Comparator: A Platform for Fine-grained Human Annotations of Deep Research Agents

- Developed a platform for side-by-side comparison and fine-grained human annotation for long reports generation of deep research agents.

Shanghai Jiao Tong University, Research Intern, Advised by Prof. Pengfei Liu

Shanghai, China

Topics: Computer Use Agents, Vision-Language Models, Trustworthy LLMs

2024.05 – 2025.05

PC Agent: While You Sleep, AI Works—A Cognitive Journey into Digital World

- Built an infrastructure for collecting human-computer interaction trajectories, and a pipeline to train computer use agents from human demonstrations.

Efficient Agent Training for Computer Use

- Proposed a method to synthesize agent trajectories based on limited human demonstrations.
- Enhanced a virtual-machined based platform for computer use agent evaluation.

Behonest: Benchmarking honesty in large language models

- Introduced a benchmark assessing honesty in LLMs.

Publications

(* indicates equal contribution)

Beneficial Reasoning Behaviors in Agentic Search and Effective Post-training to Obtain Them ↗

Jiahe Jin, Abhijay Paladugu, Chenyan Xiong

In submission to ACL 2026

Efficient Agent Training for Computer Use ↗

Yanheng He*, **Jiahe Jin***, **Pengfei Liu**

In submission to ICLR 2026

Deep research comparator: A platform for fine-grained human annotations of deep research agents ↗

Prahraladh Chandrasan*, **Jiahe Jin***, **Zhihan Zhang***, **Tevin Wang**, **Andy Tang**, **Lucy Mo**, **Morteza Ziyadi**, **Leonardo FR Ribeiro**, **Zimeng Qiu**, **Markus Dreyer**, **Akari Asai**, **Chenyan Xiong**

Accepted by WWW demo 2026

Revisiting 3D LLM Benchmarks: Are We Really Testing 3D Capabilities? ↗

Jiahe Jin*, **Yanheng He***, **Mingyan Yang***

Accepted by ACL 2025 Findings

PCAgent: While You Sleep, AI Works - A Cognitive Journey into Digital World ↗

Yanheng He, Jiahe Jin*, Shijie Xia, Jiadi Su, Runze Fan, Haoyang Zou, Xiangkun Hu, Pengfei Liu*

Preprint

Deepresearchgym: A free, transparent, and reproducible evaluation sandbox for deep research ↗

João Coelho, Jingjie Ning, Jingyuan He, Kangrui Mao, Abhijay Paladugu, Pranav Setlur, Jiahe Jin, Jamie Callan, João Magalhães, Bruno Martins, Chenyan Xiong

In submission to ICLR 2026

Behonest: Benchmarking honesty in large language models ↗

Steffi Chern, Zhulin Hu, Yuqing Yang, Ethan Chern, Yuan Guo, Jiahe Jin, Binjie Wang, Pengfei Liu

Preprint

Generative ai act ii: Test time scaling drives cognition engineering ↗

Shijie Xia, Yiwei Qin, Xuefeng Li, Yan Ma, Run-Ze Fan, Steffi Chern, Haoyang Zou, Fan Zhou, Xiangkun Hu, Jiahe Jin, Yanheng He, Yixin Ye, Yixiu Liu, Pengfei Liu

Preprint

Selected Course Projects

Revisiting 3D LLM Benchmarks: Are We Really Testing 3D Capabilities?

Computer Vision

- Identified an issue that some 3D LLM benchmarks could be easily solved by VLMs with rendered images, exposing ineffective evaluation the unique 3D capabilities.

(A+)

Adaptive Length Control For Reasoning

Reinforcement Learning

- Applied a reward function that introduces token penalty according to question difficulty enable autonomous reasoning length control.

(A+)

Teaching Experience

Data Structures (Honors), Teaching Assistant

Spring 2024

Awards

Ruiyuan-Sequoia Scholarship

2025

- Awarded to top 0.5% of students in Zhiyuan Honor Program

Zhiyuan Honors Scholarship

2023-2025

- Awarded to top 2% of students in SJTU

Shanghai Jiao Tong University Undergraduate Outstanding Scholarship (Class A)

2025

- Awarded to students with top academic performance in SJTU

National High School Physics Competition (Zhejiang Division)

2021

- First prize (84 students in Zhejiang Province)

Skills & Languages

Programming Languages: Python, Rust, C++, Java, Golang, Verilog.

Tools & Frameworks: verl, vLLM, LLaMA-Factory, Git, Docker, SLURM.