

Education

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

Shanghai, China

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

2022.09 – now

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 [🔗](#)

Prahaladh Chandrasekharan*, 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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
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Awards

Ruiyuan-Sequoia Scholarship	2025
<ul style="list-style-type: none">Awarded to top 0.5% of students in Zhiyuan Honor Program	
Zhiyuan Honors Scholarship	2023-2025
<ul style="list-style-type: none">Awarded to top 2% of students in SJTU	
Shanghai Jiao Tong University Undergraduate Outstanding Scholarship (Class A)	2025
<ul style="list-style-type: none">Awarded to students with top academic performance in SJTU	
National High School Physics Competition (Zhejiang Division)	2021
<ul style="list-style-type: none">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.