

Jiajun Liu

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EDUCATION EXPERIENCE

- **Renmin University, China** *Bachelor's degree, Gaoling School of Artificial Intelligence* Sep 2023 - Present
GPA: 3.87/4.00 (Rank 3 / 60)

RESEARCH EXPERIENCE

- **Research Intern, Renmin University, China** Jan 2025 - Aug 2025
 - **Advisor:** [Chongxuan Li](#)
 - **Topic:** 3D World Model
- **Research Intern, Northwestern University, USA** Jun 2025 - Present
 - **Mentor:** [Manling Li](#)
 - **Topic:** Reasoning Models and Spatial VLM



BASIC INFORMATION

- **Research Interest:** Spatial Intelligence, RL, Gen AI, aiming to empower embodied agents with world models
- **Language Proficiency:** Mandarin (Native), English (Fluent speaker, CET-6 Test Score: 604; Oral: Excellent)
- **Professional Skills:** Linux development, Python, C/C++, PyTorch.







PUBLICATION LIST

1. Wenqi Zhang*, Mengna Wang*, Gangao Liu, Huixin Xu, Yiwei Jiang, Yongliang Shen, Guiyang Hou, Zhe Zheng, Hang Zhang, Xin Li, **Jiajun Liu**, Weiming Lu, Peng Li, Yueting Zhuang. *Embodied Reasoner: Synergizing Visual Search, Reasoning, and Action for Embodied Interactive Tasks*, **Preprint**.




PROJECT EXPERIENCE

- **Embodied Reasoner (With OSPP's funding, 150+ Github Stars)** *Main contributor* 
 - **Topic:** Embodied-Reasoner is a multimodal model designed for deep reasoning and long-horizon interaction in embodied environments. OSPP, similar to GSoC, chose me as the contributor for Embodied-Reasoner from all the applicants (518 out of 2290 in 2025). I'm contributing to resolving two key bottlenecks — ambiguity in identical object instances and imprecise targeting of large objects, aiming to improve spatial accuracy and interaction robustness.
- **RAGEN & VAGEN: Training Agents by Reinforcing Reasoning (With 2.2k+ Github Stars)** *Contributor* 
 - **Topic:** This twin of projects utilize RL to empower agents to operate effectively in interactive and stochastic environments by handling multi-turn interactions and environmental uncertainty. I contributed to developing some environments and the mask functions to compute the loss only for the parts generated by the model.

SELECTED AWARDS AND SCHOLARSHIP

- **Silver Medal, International Collegiate Programming Contest (ICPC) East-Asia Continent Final** Dec 2024 
Awarded by ICPC Foundation
- **Gold Medal, "Xiaomi Cup" China Collegiate Programming Contest (CCPC) Invitational Contest** Apr 2025 
Awarded by CCPC Committee and Xiaomi
- **Silver Medal, 2024 CCF Collegiate Computer Systems & Programming Contest (CCSP)** Oct 2024 
Awarded by China Computer Federation (CCF)
- **Top 2.6% out of 22k+ Globally, 2024 Meta Hacker Cup Human track** Oct 2024 
Awarded by Meta
- **2025 "Linghang" Intellectual Excellence Dean's Scholarship** Dec 2024 
Awarded by ByteDance and Gaoling School of Artificial Intelligence
- **National Second Prize, Chinese Physics Olympiad for High School Students (CPhO)** Oct 2021 
Awarded by Chinese Physics Olympiad Committee

SERVICES AND PRESENTATIONS

- **Talk: "Algorithm and Artificial Intelligence"** Mar 2025 
Invited by Student Union & Gaoling School of Artificial Intelligence
Invited by Information School of RUC 
- **Video: "My Experience Using AI+ Tools to Create Videos"** Oct 2024 
Invited by China Computer Federation (CCF)