

Jiajun Liu

+86 186-7655-1927 | jedward.jiajun@gmail.com

 [JEdward](#) |  [JEdward](#) |  [Personal Website](#)



BASIC INFORMATION

- **Education:** *Bachelor's degree* (2023 - 2027), Gaoling School of Artificial Intelligence, Renmin University of China
- **Academic Performance:** GPA: 3.87/4.00 (Rank 3 / 58), ranking 1-st in the first and fourth semester
- **Research Interest:** Spatial Intelligence, World Model, Embodied AI
- **Language Proficiency:** Mandarin (Native), English (Fluent speaker, CET-6 Test Score: 604; Oral: Excellent)
- **Professional Skills:** Linux development, Python, C/C++, PyTorch



RESEARCH EXPERIENCE

-  **Research-Intern, Xu-Lab, Tsinghua University & Qizhi Institute, China** Oct 2025 - Present
 - **Mentor:** [Mengdi Xu](#)
 - **Topic:** In-context robot learning in real-world manipulation
-  **Research Intern, MLL-Lab, Northwestern University, USA** Jun 2025 - Sep 2025
 - **Advisor:** [Manling Li](#)
 - **Topic:** RL-based VLM agents with tool-use abilities to get novel-view images to help improve performance on spatial intelligence tasks, in collaboration with Microsoft.
-  **Research Intern, GSAI-ML Group, Renmin University, China** Jan 2025 - Aug 2025
 - **Advisor:** [Chongxuan Li](#) [Jun Zhu](#)
 - **Topic:** 3D world model for explorable scene generation from a single image or text prompt.






PUBLICATION LIST




1. **Jiajun Liu**, Chenyu Zhang, Ruoqu Chen, Liu Cao, Yankai Lin, Mengdi Xu. *RoboRetry: In-context Adaptation from Manipulation Failures for VLAs*, Preprint.
2. Chendong Xiang*, **Jiajun Liu***, Jintao Zhang*, Xiao Yang, Zhengwei Fang, Shizun Wang, Zijun Wang, Yingtian Zou, Hang Su, Jun Zhu. *Geometry-Aware Rotary Position Embedding for Consistent Video World Model*, Preprint.
3. 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*, Annual Meeting of the Association for Computational Linguistics (ACL), 2026.

OPEN-SOURCE PROJECT EXPERIENCE


- **Embodied Reasoner (With OSPP's funding, 180+ Github Stars)** *Main contributor* 
 - Embodied-Reasoner (ER.) is a multimodal model designed for deep reasoning & long-horizon interaction. In OSPP, similar to GSoC, [AGIROS Community](#) selected me as the contributor in charge of ER. from all the applicants. I've committed to testing ER. on Alfred and contributed to resolving two key bottlenecks — ambiguity in identical object instances & imprecise targeting of large objects, further improving spatial accuracy and interaction robustness.
- **RAGEN & VAGEN: Training Agents by Reinforcing Reasoning (With 2.5k+ Github Stars)** *Contributor* 
 - This twin of projects empower agents with RL to operate effectively in interactive and stochastic environments by handling multi-turn interactions and environmental uncertainty. I contributed to developing more environments and mask functions to compute the loss only for the parts generated by the model, which actually made training more stable.

SELECTED AWARDS & SCHOLARSHIP

- **Silver Medal, International Collegiate Programming Contest (ICPC) East-Asia Continent Final** Dec 2024
Awarded by ICPC Foundation 
- **Gold Medal, International Collegiate Programming Contest (ICPC) Asia Continent Regional (Wuhan)** Nov 2025
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) 
- **Most Potential Award, Open Source Promotion Plan (OSPP) 2025** Dec 2024
Awarded by Institute of Software, Chinese Academy of Sciences (ISCAS) and Huawei 

- **National Scholarship** Sep 2025
Awarded by Ministry of Education of the People's Republic of China 
- **“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

- **Reviewer:** [ICLR 2026 World Models Workshop](#)
- **Video: “My Experience Using AI+ Tools to Create Videos”** Oct 2024
Invited by China Computer Federation (CCF) for *China National Computer Conference (CNCC) Super Forum* 
- **Talk: “Algorithm and Artificial Intelligence”** Mar 2025
Invited by Student Union & Gaoling School of Artificial Intelligence | Invited by Information School 