

Jiachang Zhang

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EDUCATION

Xi'an Jiaotong University (XJTU)	Xi'an, China
<i>B.Eng. in Artificial Intelligence (Elite Class), Qian Xuesen College</i>	Sep 2025 – Present
- First-year weighted average: 92.4 / 100; entering second year in Sep 2026 - Coursework: Calculus, Linear Algebra, Probability, Programming (C/C++), Data Structures	

RESEARCH INTERESTS

Embodied AI | World Models | Video Understanding | Mixture-of-Experts | Data Collection for Learning Systems

RESEARCH EXPERIENCE

DMCV Lab, Shanghai Jiao Tong University (SJTU)	Shanghai, China
<i>Research Intern</i>	Present
Working on embodied failure recovery, video Mixture-of-Experts routing, and multi-agent world-model data collection.	

RESEARCH PROJECTS

Embodied Failure-Recovery Data Collection and Benchmark	AI2-THOR
<i>AAAI submission in preparation</i>	
- Developing an auditable AI2-THOR collection workflow for task failures, recovery attempts, replayable branches, and counterfactual trajectories. - Building mutation injection and replay validation around captured observations, action logs, and branch-level evidence for recovery evaluation.	
LingBot Video Mixture-of-Experts Routing Research	
- Analyzing routing behavior across 6,144 expert positions with 172 controlled T2V/TI2V video probes. - Designing paired gate-intervention experiments and 48-frame VideoScore checks; documenting case-dependent effects rather than claiming a generalized gain.	
Multi-Agent World-Model Data Collection	
Contributing multi-agent interaction data and quality control for world-model research; model training is planned for a later stage.	

SKILLS

Programming:	Python, C/C++
ML/DL Frameworks:	PyTorch, NumPy
Tools & OS:	Git, Linux, Shell, L ^A T _E X
Languages:	Chinese (native); TOEFL iBT: 89

HONORS & AWARDS

RoboCup Competition		National Third Prize
ICPC XJTU Campus Contest	Bronze Medal	Mar 2026
China College Innovation Contest (Campus)	Silver Award	Dec 2025
Shaanxi Provincial College Math Contest	Third Prize	Nov 2025