

Jiajie Huang

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EDUCATION

Xi'an Jiaotong University

2023 - Present

- **Major:** Computer Science and Technology
- **GPA:** 3.86/4.3 **Ranking:** Top 10%

ACADEMIC PUBLICATION

- Siqi Ma*, **Jiajie Huang*** (co-first author), Bolin Yang, Fan Zhang, Jinlin Wu, Yue Shen, Guohui Fan, Zhu Zhang, Zelin Zang. MedLA: A Logic-Driven Multi-Agent Framework for Complex Medical Reasoning with Large Language Models. Proceedings of the AAAI Conference on Artificial Intelligence (AAAI2026). (Oral)

RESEARCH EXPERIENCE

Research on Streaming Video Understanding & Audio Benchmarks

Sep. 2025 – Present

Research Intern | EPIC Lab, Shanghai Jiao Tong University, supervised by Prof. Linfeng Zhang

- **Project: Streaming Video Model with Self-Improvement.**
 - Proposed a self-evolution-based migration method to transform standard video models into **Streaming Video Models**, addressing the challenge of real-time continuous video understanding.
 - Designed the **inference format** for streaming scenarios and constructed an automated **data synthesis pipeline** to generate high-quality training data, addressing the data shortage. Validated the method's effectiveness via model migration testing. (Targeting **ICML**).
- **Project: Audio Model Benchmark.**
 - Establishing a comprehensive benchmark for **Long Context Audio** to evaluate the performance bottlenecks of large models on long sequences.
 - Contributed to the manuscript preparation and assisted in analyzing performance discrepancies of different models in long-context windows. (Submitted to **ACL**).

Research on Medical Multi-Agent Frameworks (MedLA)

Apr. 2025 – Sep. 2025

Research Intern | Westlake University, supervised by Prof. Stan Z. Li

- **Publication: MedLA: A Logic-Driven Multi-Agent Framework for Complex Medical Reasoning with Large Language Models. (AAAI 2026 Oral).**
 - Address the lack of logical rigor in existing medical agents by proposing a logic-driven multi-agent framework. The framework utilizes LLMs to build logic trees with **Syllogistic Triads** (major premise, minor premise, conclusion) and introduces **Graph-guided Discussion** to resolve contradictions, achieving SOTA on MedDDx.
 - Refined the core **Syllogism methodology** to enhance reasoning transparency and logic. Conducted **specific testing tasks** to verify module effectiveness and drafted core sections of the paper.

Algorithm Internship at RWKV

Sep. 2025 – Dec. 2025

Algorithm Intern | RWKV (Yuanshi Intelligence)

- Completed large-scale **training data cleaning** by formulating rules to filter low-quality text.
- Conducted systematic **evaluations** of the RWKV model on multiple NLP benchmark tasks, providing detailed data support for model iteration.

HONORS AND AWARDS

Competition Awards

<i>Mathematical Contest in Modeling</i> , Honorable Mention	2024,2025
<i>Lanqiao Cup Algorithm Design Competition</i> , Provincial First Prize	2025

Scholarships

<i>Lu Shidi Scholarship</i> (Awarded twice)	2024, 2025
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