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 – Jan. 2026

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. (Submitted to **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

Mathematical Contest in Modeling, Honorable Mention 2024,2025

Lanqiao Cup Algorithm Design Competition, Provincial First Prize 2025

Scholarships

Lu Shidi Scholarship (Awarded twice) 2024, 2025