

Zihang Zhou

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EDUCATION

Shanghai Jiao Tong University (SJTU)

School of Artificial Intelligence

B.Eng. Candidate in Artificial Intelligence

Shanghai, China

Sep 2024 – Present

- **GPA: 4.04 / 4.3** (Average Score: **92.7**)
- **Honors:** National Scholarship (Top **0.5%**, Oct 2025);
Zhiyuan Honorary Scholarship.
- **Early Admission:** Admitted one year early (Grade 11) via the National College Entrance Exam (Gaokao); ranked in the top **0.05%** in Jiangsu Province.

Research Interests: Self-evolving LLM agents, tool learning, agent evaluation, and reliable and reproducible agentic systems.

PUBLICATIONS & PREPRINTS

- [1] *Agentic Time Machine as an Infrastructure for Future-Event Forecasting.*
EMNLP 2026 Main Conference (Oral).
- [2] *SetupX: Can LLM Agents Learn from Past Failures in Functionality-Correct Code Repository Setup?*
First Author. Under review at **ICLR 2027.**
- [3] *Workspace-Bench 1.0: Benchmarking AI Agents on Workspace Tasks with Large-Scale File Dependencies.*
NeurIPS 2026 (Poster).
- [4] *LLM/Agent-as-Data-Analyst: A Survey.*
Under review at **IEEE TKDE.**

INTERNSHIP EXPERIENCE

Microsoft Research Asia (MSRA)

Research Intern

Shanghai, China

Jun 2026 – Present

- **Project: Enterprise Workflow Benchmark for LLMs and Agents**
- Designed enterprise workflow tasks and constructed evaluation datasets to assess LLM and agent capabilities in enterprise scenarios.
- Defined evaluation metrics and developed the evaluation framework for systematic assessment of model and agent performance on workflow tasks.

RESEARCH EXPERIENCE

Multi-Agent Governance & Intelligence Crew (MAGIC)

Undergraduate Researcher

Shanghai, China

Apr 2026 – Jun 2026

- **Project: Agentic Time Machine**
- **Paper:** *Agentic Time Machine as an Infrastructure for Future-Event Forecasting.* **EMNLP 2026 Main Conference (Oral).**
- Evaluated the performance of agents equipped with the Time Machine infrastructure on future-event forecasting tasks.

SJTU Data Analysis Study Group

Undergraduate Researcher

Shanghai, China

Oct 2025 – Apr 2026

- **Project: SetupX – Autonomous Repository Setup**
- **First-author paper:** *SetupX: Can LLM Agents Learn from Past Failures in Functionality-Correct Code Repository Setup?* Under review at **ICLR 2027.**
- Developed an autonomous agent for complex GitHub repository setup, integrating an external knowledge base via RAG to help resolve dependency conflicts and configuration errors.
- Refined the agent–environment interaction loop to improve automated repository setup success rates.

SJTU Data Analysis Study Group

Undergraduate Researcher

Shanghai, China

Jun 2025 – Oct 2025

- **Project: LLM/Agent-as-Data-Analyst Survey**
- Co-authored *LLM/Agent-as-Data-Analyst: A Survey*. Under review at **IEEE TKDE**.
- Authored the sections on **Video** and **3D Models**, systematically reviewing state-of-the-art methods for multimodal data analysis agents.
- Curated and maintained the `awesome-data-llm` repository to track the latest research.

SKILLS

Programming: Python, C++

Libraries & Tools: PyTorch, NumPy, pandas, Matplotlib, LangChain, Docker, Git, L^AT_EX

Machine Learning: Neural network architectures, model training, evaluation, and experimental design

LLMs & Agents: Tool use, retrieval-augmented generation, multi-agent systems, agent evaluation, and repository automation

RELEVANT COURSEWORK

Mathematics: Mathematical Analysis, Linear Algebra, Numerical Analysis, Probability and Statistics, Discrete Mathematics

Computer Science: Data Structures, Algorithm Design and Analysis, C++ Programming, Machine Learning, Deep Learning, Reinforcement learning, Introduction to Intelligent Robotics, Computer Architecture