

Zhengtao Liang

AI Research · LLM / RAG · Open Source

[17684269881](#)

1392452425a@gmail.com

Born May 2003 · Communist Youth League Member

github.com/Serennity007

[Portfolio](#)

Education

Beijing Institute of Technology (BIT) — 985/211/Double First-Class

Sep 2026 - Jun 2029 (Expected)

M.S. in Intelligent Science and Technology · School of Artificial Intelligence

- Research Focus: **Agent collaboration, agent safety, and multimodal large language model safety**

Guizhou University — 211/Double First-Class

Sep 2022 - Jun 2026

B.S. in Artificial Intelligence · School of Computer Science and Technology

- Weighted Average Score Ranking: **1/69** · Comprehensive Score: **1/69** · GPA: **4.14/5**
- IELTS: **6.5** · CET-6: **572** · Fluent in academic English reading, writing, and communication

Research Experience

Paper accepted at KSEM (CCF-C).

Cognitive Intelligence for Judicial Verdicts: Knowledge-Experience Dual-Track Fusion (Project Lead)
Mar 2025 - Present · Legal AI · Knowledge and precedent retrieval

- Designed dual retrieval of legal provisions and judicial precedents for LLM-based verdict prediction
- Used a 7B LLM to extract crime elements, Milvus to retrieve precedents, and a 30B LLM to generate predictions

Safety Alignment of Multimodal Large Language Models
2026 - Present · Master's research topic

- Master's research topic: safety alignment methods for multimodal large language models

Intelligent Q&A System for Government Services (Project Lead)
Mar 2024 - Present

- Built the prototype backend with FastAPI and integrated LLM APIs through LangChain
- Implemented question-answering orchestration and verified the prototype through a web interface

Selected Open-Source Projects

[AI Stock Screening & Quant Research Toolchain](#) · 41 Stars
GitHub: 41 Stars · 8 Forks (as of 2026-10-24)

- Implementation:** Built 30 original Agent Skills and 32 Python scripts across 23 investment-method reference frameworks.
- Engineering:** Aligned annual periods and TTM fields; flagged missing financials and logged turnover, costs, holdings and input hashes.
- Validation:** Passed 40 local tests (2026-10-25). AKShare 1.19.3 retrieved real FY2021–2025 data for 600519 on 2026-10-24; offline demo included.

Python · AKShare · pandas · Agent Skills · [Project walkthrough](#) · [Run the demo](#) · [Validation record](#) · [Live-data run](#)

[GhostTrack Console & Atlas · Domain Checks](#)
Extended the original GhostTrack query tool with domain batches, DNS/certificate/HTTP health checks, snapshot comparison and report export. Added queue pause, cancellation and retry controls.
Python · Tkinter · Android · Web · [GhostTrack](#)

[XSS Audit Desktop · Static Source-Code Scanning](#)

Developed a static source-code scanner from the xss-audit playbook, adding pattern checks, JS/TS/Python AST flow analysis and source-line evidence. Supports local/public-GitHub scans, saved review decisions and HTML/SARIF exports.
Python · Tree-sitter · Tkinter · SARIF · [xss-audit-desktop](#)

[AI Agent Session Analytics CLI](#)

Parse local coding-agent session logs and report token usage, estimated costs and tool calls through terminal and JSON output.
Node.js · JavaScript · CLI · [agent-trace](#)

[Finance RSS Reader & Digest Tools](#)

Adapt Qiaomu AI RSS into an Obsidian finance reader with 45 feeds, Markdown saving, daily-note excerpts and OPML; build a companion Feishu digest tool with deduplication, grouped cards and batched delivery.
TypeScript · Obsidian API · Node.js · [Feishu digest](#)

Internship Experience

Xueersi (学而思) — Education Technology Company

Guiyang

[Intern · Education Product Development](#)

- Developed education products leveraging AI to improve teaching and learning experiences

Caihong Group (彩虹集团) — Technology Enterprise

Chengdu

[Intern · Enterprise Software Development](#)

- Participated in enterprise-level project development, gaining industry-standard software engineering practices

Global Experience

National University of Singapore (NUS)

Jul 2023 - Aug 2023

- Selected for "[Guizhou Provincial Thousand Talents Program](#)" (competitive, funded initiative)
- Advanced training in AI theory and computational finance modeling
- Independently built "Handwritten Digit Recognition" system
- Collaborated with international team entirely in English on financial engineering project

Honors & Awards

Huawei ICT Competition · National First Prize

National Scholarship

Guizhou Provincial Merit Student

Technical Skills

Languages

[Python](#) [TypeScript](#) [JavaScript](#) [Go](#) [Rust](#) [LaTeX](#)

AI / ML

[PyTorch](#) [Transformers](#) [LangChain](#) [OpenAI API](#) [RAG](#) [MCP](#)

Frontend

[React](#) [Next.js](#) [Vue](#) [Tailwind](#) [CSS](#)

Backend & DevOps

[FastAPI](#) [Node.js](#) [PostgreSQL](#) [Docker](#) [GitHub](#) [Actions](#)