

Liu Zhening

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Student Status

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Available Immediately

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Education Background			
Degree	Period	Institution	Major
Bachelor	2019.09–2023.06	Southwest Jiaotong University	Electronic Science and Technology
Master	2024.09–2027.06(Expected)	Southwest Jiaotong University	Computer Technology
English Proficiency:		CET4, CET6, IELTS 6.5	

**Technical Skills**

Languages: Proficient in C/C++, JavaScript/TypeScript, Python

Tech Stack: Experienced with Vue3, ExpressJS, MongoDB, Redis, RocketMQ, Nginx frameworks/middleware. Skilled in cloud server and AIGC development, capable of building high-quality web applications quickly

Project Experience

**bilibili-crawler (Web backend application for retrieving and crawling bilibili video information based on keyword lists)**

- [Click to Preview](#)
- [Github Repository](#)
- Built efficient, fast APIs based on Express framework following RESTful design principles
  - Dynamically generated search URLs based on keyword lists from frontend, executed HTTP requests using Axios library
  - Parsed Bilibili search pages using Cheerio to extract key information like video titles, covers, durations, and view counts for frontend applications
  - Developed a beautiful, modern frontend interface with rich animations using Vue3 to demonstrate the crawler’s functionality
  - Fully open-source project allowing users to freely modify code for customized logic

- mcp-image-processor (MCP tool for image processing)**
- [Github Repository](#)
- Image processing server based on Model Context Protocol (MCP)
  - Built tools including format conversion, resizing, compression optimization, scaling, and post-processing using sharp library and MCP TypeScript SDK
  - Provides developers with high-quality image processing experience - users only need to provide processing requirements and image paths without any coding or image processing software
  - Simple configuration allows easy integration with various MCP-supported clients like Cline, Cursor, Cherry Studio

- Localized AI Programming Solution for Domestic Platforms**
- [Github Repository](#)
- Deployed Qwen 2.5 large model locally on server using vLLM, packaged as OpenAI-compatible interface
  - Developed fully localized IDE extensions (VSCode and IntelliJ) for linux-arm64 domestic platforms based on open-source repository, providing various prompt templates (code explanation, bug fixing, etc.)
  - Designed for developers with special security requirements working in internal networks only, already delivered to China Electronics Technology Group Corporation No.6 Research Institute

**Self Evaluation**

Positive and optimistic with diverse interests; enjoys researching cutting-edge technologies and staying updated with tech trends; excels in teamwork with outstanding communication and collaboration skills

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