

Liu Zhening

| Student Status

| 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: C/C++, JavaScript/TypeScript, Python

Tech Stack: Familiar with frameworks and middleware such as React, Vue, Git, MongoDB, MySQL, Redis, RabbitMQ, and Nginx; experienced in cloud servers and AIGC development; capable of rapidly building high-quality web applications

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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