

ShijieZheng-AI Engineer(Master's Degree)

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🐙 <https://github.com/Formyselfonly>

Education

Hubei Normal University-Electronic Information Engineering

September 2018 - June 2022

Yangtze University-Master's Degree (Artificial Intelligence)

September 2022 - June 2025

- **Research Focus:** NLP (Natural Language Processing)
- **SCI Paper:** MemoryRepository for AI NPC

Professional Skills

- **Knowledge:** Strong understanding of **machine learning**, **natural language processing**, and **Generative AI**, with knowledge in **big data**.
- **Strong programming skills:** Proficient in **Python**. Experienced in using **Flask** for **API development**, **LangChain** for large language model development, **Pandas**, **NumPy**, **Unstructured** for data processing, and **PyTorch** for machine learning.
- **Prompt Engineering:** Skilled in **formatting prompts**, **few-shot learning**, **prompt reverse engineering**, **role-playing prompts**, and **tool prompts**.
- **LLMs:** Proficient in **ChatGPT**, **Llama3**, **ChatGLM**, **Minimax** model design, training, tuning, deployment, development, and integration of **AI Agents** and **RAG**.
- **Fine-Tuning:** Skilled in data preprocessing, hyperparameter tuning, **model fine-tuning**, **optimization**, and **deployment** for **ChatGPT**, **ChatGLM**, and similar models.
- **Image Generation:** Proficient in deploying and developing API interfaces for **StableDiffusion**, **Midjourney**, and **DALLE** with prompt rules.
- **AI Technical Solutions:** Early adopter and developer of **ChatGPT** with one year of **Generative AI** development experience. **Familiar with technical backgrounds and solutions in e-commerce and gaming fields**.
- **Project Deployment:** Proficient in **deploying mainstream large model projects on GitHub**, such as **Chatbox**, **AutoGPT**, **LLAMA3**, and capable of developing based on existing projects.

Project Experience

Personal Project Repository: <https://github.com/Formyselfonly/>

ECommerceGPT - AI E-commerce Efficiency Website

<https://github.com/Formyselfonly/ECommerceGPT>

Developed an AI efficiency tool for the eCommerce sector, leveraging ChatBox and prompt engineering. Comprehensive usage documentation is available on GitBook, enabling users to select from various templates tailored for enhancing ECommerce efficiency.

PromptEval - Prompt Quality Evaluation Tool

<https://github.com/Formyselfonly/PromptEval>

Prompt Evaluation Approach: Combining Data Evaluation and Human Evaluation

Data Evaluation: Judged based on factors such as the length and structure of prompts, as well as adherence to prompt guidelines.

Human Evaluation: The project includes automated scripts for batch testing of prompts, followed by manual evaluation by human trainers.

AI Project Example in Dify - Companion Dialogue AI Agent Robot

Leveraging LLM, prompt engineering, and RAG, this project provides an API and an online demo.

Ganyu from Genshin Impact - <https://udify.app/chat/iP0yw8HbPFED6XzL>

Honkai Impact Simulator - <https://udify.app/chat/Jf7UHHnVl8mpZb9G>

Internship Experience - OgCloud (Guangdong Tianyun Technology Co., Ltd.)

Duration: April 2023 - April 2024

Position: Prompt Engineer & AI Intern

OgAI

Project Description: AI productivity tools within the company

Responsibilities: Technical solutions + Prompt engineering (OgGPT-Text2Text + OgDraw-Text2Image)

AI Chat Companion

Project Description: AIGC Gaming Platform

Responsibilities: Game prompts and model deployment and fine-tuning of AI agents

XiaoO Robot

Project Description: Custom robot for OgCloud based on company information

Responsibilities: Data processing for training data and fine-tuning of the XiaoO robot

MemoryRepository Development

Project Description: Humanized memory system for LLMs in role-playing applications

Responsibilities: Solving the problem of context limitations in LLM dialogues through algorithm mechanisms, resulting in the publication of the *SCI paper MemoryRepository for AI NPC*

Internship Experience - Ximalaya (Shanghai Ximalaya Technology Co., Ltd.)

Duration: May 2024 - June 2024

Position: AI Intern

Empowering interviewers with AI tools

Project Description: Empowering company interviewers to conduct expert interviews using AI

Responsibilities: Technical solutions + 1.AI data collection + 2.AI data analysis + 3.Enabling tools prompt

AI Manuscripts

Project Description: Batch generation of AI manuscripts based on a novel library using AI

Responsibilities: 1. AI manuscript extension 2. AI manuscript generation 3. AI manuscript adaptation

Little Red Book Seeding

Project Description: Generating high-quality Little Red Book posts based on user demand for popular topics such as TV dramas, to drive traffic to the company's app

Responsibilities: Data collection + data analysis

Certificates & Language

- English *CET-6*
- Chinese *Native*
- SCI Paper *MemoryRepository for AI NPC*