

# ShijieZheng-AI Engineer(Master's Degree)

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## Education

Hubei Normal University-Electronic Information Engineering	September 2018 - June 2022
Yangtze University-Master's Degree (Artificial Intelligence)	September 2022 - June 2025
<ul style="list-style-type: none"><li>Research Focus: NLP (Natural Language Processing)</li><li>SCI Paper: MemoryRepository for AI NPC</li><li>National Award: Awarded the 2024 China Graduate National Second-Class Scholarship</li></ul>	

## Professional Skills

- Knowledge:** Strong understanding of machine learning, natural language processing, and Generative AI, with knowledge data processing.
- 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.

## 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:** Prompt engineering (OgGPT-Text2Text + OgDraw-Text2Image) +Python development

### AI Chat Companion

**Project Description:** AIGC Gaming Platform  
**Responsibilities:** Game prompt engineering, model deployment and fine-tuning, development of multi-agent system (MAS) architecture, and demo implementation.

### XiaoO Robot

**Project Description:** Custom robot for OgCloud based on company information  
**Responsibilities:** Demo implementation of OS-level OsGPT, data processing for XiaoO robot training data, and training and fine-tuning of the XiaoO robot.

## MemoryRepository System for Long-Dialogue NPC Agents

**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.)

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**Duration:** May 2024 - June 2024

**Position:** AI Intern

### AI Manuscripts

**Project Description:** Utilized AI to generate, expand, and adapt AI-generated manuscripts in bulk based on a novel library.

**Responsibilities:** Developed and implemented the **automated agent workflow** for AI manuscripts, created demo

## Internship Experience - The Home Depot(China Division)

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**Duration:** Oct 2024 - Feb 2025

**Position:** AI Intern

### AI Document Processing Tool

**Project Description:** Utilized AI for the classification and summarization of internal company report documents, assisting decision-making through data analysis.

**Responsibilities:** Deployed AI models in the document processing tool, built **automated AI workflows**, and implemented demo.

## Project Experience

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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 Response Analyse

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

*Prompt Evaluation Approach: Combining Data Evaluation and Human Evaluation*

*Multidimensional Evaluation: Evaluating the quality of Prompt Responses through seven dimensions..*

*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/Jf7UHHnVI8mpZb9G>

## Certificates & Language

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