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

- Research Focus: NLP (Natural Language Processing)
- SCI Paper: MemoryRepository for AI NPC
- National Award: Awarded the 2024 China Graduate National Scholarship

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.)

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)

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

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/Jf7UHHnVl8mpZb9G

Certificates & Language

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