

LEE ZHI CHENG

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🎓 EDUCATION

Tsinghua University **Beijing, CN**
Master in Advanced Computing, GPA: 3.79 / 4.00 2023.09 – Present
Shanghai Jiao Tong University **Shanghai, CN**
Bachelor of Engineering in Automation, GPA: 3.44 / 4.3 2017.09 – 2021.06

📁 WORKING/INTERNSHIP EXPERIENCE

Zhipu AI **Beijing, China**
Large Language Model Algorithm Intern 2024.07 - Present

- Agentic RAG
 - Conducted a comparative analysis of the company's existing RAG framework against QWEN-Agent and the long-context model GLM-9B-128k.
 - Prepared evaluation scripts and datasets, including HotpotQA and NQ, augmented with additional distractors to increase difficulty.

Wise AI **Kuala Lumpur, Malaysia**
AI Engineer 2021.11 – 2023.08

- Face Anti-Spoofing
 - Led the R&D efforts for the development of a face anti-spoofing model.
 - Achieved compliance with ISO-30107 Level 1 Presentation Attack Detection Standards.
 - Managed the entire project lifecycle, including data collection, model design, training, evaluation, and enhancement.

🧑‍🔬 RESEARCH/PROJECT EXPERIENCE

DiaKoP 2024.02 - 2024.06

- Developed a dialogue-based knowledge-intensive question answering system, this work has been accepted to CIKM demo track.
- Designed and implemented both the frontend and backend of the system.
 - Frontend: developed based on Gradio to facilitate user interaction.
 - Backend: developed based on the FastChat framework to support model deployment, includes modules such as dialogue history tracking, natural language understanding, dialogue policy, and knowledge retrieval strategies.

Text-to-UI: Text-to-User Interface 2023.09 - 2024.01

- Collected datasets from the web comprising pairs of “User Requirements - Tailwind CSS”.
- Fine-tuned the CodeLlama model using DeepSpeed with the LoRA strategy. The fine-tuned model generates corresponding frontend interface code as output when provided with user requirements in natural language.

📄 PUBLICATIONS

DiaKoP: Dialogue-based Knowledge-oriented Programming for Neural-symbolic Knowledge Base Question Answering

Zhicheng Lee*, Zhidian Huang*, Zijun Yao, Jinxin Liu, Amy Xin, Lei Hou, Juanzi Li
Conference on Information and Knowledge Management (CIKM demo), 2024

Deep Semi-Supervised Learning via Dynamic Anchor Graph Embedding Learning

Zihao Wang, Enmei Tu, Zhicheng Lee
International Joint Conference on Neural Networks (IJCNN), 2021