GUANGHAO JIN

guanghaojin56@gmail.com **https://letitbe12345.github.io/** **GitHub** **Google Scholar** **LinkedIn**

EXPERIENCE

Research Assistant, School of Integrated Circuits

Shandong University

Jan. 2025 – present | Shandong, China

- Advisor: Prof. Dr. Weidong Zhou and Dr.Guoyang Liu.
- Developed a knowledge-driven referring expression comprehension benchmark for multimodal large language models.
- Developed a large-scale clinical model for EEG-based neurological disorder detection.

EDUCATION

M.Sc. Computer Science

Ludwig Maximilian University of Munich (LMU)

Oct. 2024 – Present | Munich, Germany

B.Sc. Computer Science

Ludwig Maximilian University of Munich (LMU)

Apr. 2021 – Oct. 2024 | Munich, Germany

RESEARCH PUBLICATIONS

Conference Proceedings

1 L. Bai, R. Zhang, W. Zhou, L. Tian, **G. Jin**, and G. Liu, "Efficient convolution accelerator using number-theoretic transform for deep learning on FPGA," in *2025 IEEE 2nd International Conference on Deep Learning and Computer Vision (DLCV)*, 2025, pp. 1–5.

Journals

1 Z. Wang, Y. Hu, Q. Xin, **G. Jin**, Y. Zhao, W. Zhou, and G. Liu, "EEG-based seizure detection using dual-branch CNN-ViT network integrating phase and power spectrograms," *Brain Sciences*, vol. 15, no. 5, p. 509, 2025.

Preprints

1 **G. Jin**, J. Wu, T. Guo, Y. Niu, W. Zhou, and G. Liu, "KnowDR-REC: A benchmark for referring expression comprehension with real-world knowledge," *arXiv preprint*, vol. arXiv:2508.14080, 2025.

2 **G. Jin**, Y. Liang, Y. Ma, J. Wu, and G. Liu, "NeuroDx-LM: A clinical large-scale model for EEG-based neurological disorder detection," *arXiv preprint*, vol. arXiv:2508.08124, 2025.

SKILLS

- **Languages:** Chinese (native speaker), English (proficient), German (intermediate)
- **Coding:** Python, LaTeX, Matlab, Node.js
- **Framework:** LLaMA-Factory, VERL, vLLM, LangChain / LangGraph