Hao Yang

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Research Interests

Current Interests: LLMs Reasoning Analysis, Multi-Modal Large Models

Previous Interests: Automatic Visualization of Tabular Data, Intelligent Education

EDUCATIONAL BACKGROUND

Beijing Language and Cultural University, Master, Computer Science — Sept 2021 – Jun 2024

- GPA: 3.78/4.0
- **Coursework:** Computational Linguistics, Natural Language Processing, Artificial Intelligence, Machine Learning, etc.

Qingdao University of Technology, Bachelor, Computer Science — Sept 2017 – Jun 2021

- **Coursework:** Principles of Computer Composition, Data Structure, Operating System, Computer Network, Computer Architecture, Assembler Language, C/C++, Java, etc.

Paper List

Chain-of-Thought in Large Language Models: Decoding, Projection, and Activation — Submitted

The 31st International Conference on Computational Linguistics (COLING 2025)

The Implementation Solution for Automatic Visualization of Tabular Data in Relational Databases Based on Large Language Models — Accepted

International Conference on Asian Language Processing(IALP)

Construction of a Scenarioized Knowledge Graph of International Chinese Teaching Resources — Accepted

The 25th Chinese Lexical Semantic Workshop(CLSW)

Experience

Research Assistant, Nanjing University — July 2024 –

We aim to deploy large models on edge devices, such as in-vehicle systems and forest fire warning devices. This project involves model selection, training, quantization, and deployment on FPGA. I am primarily responsible for model selection, design, and training.

Research Internship, China Electronics Technology Group — Sept 2023 – Apr 2024

During my research internship, I was responsible for reviewing and summarizing cutting-edge papers related to the project, as well as drafting patents.

Projects

How Chain-of-Thought Works? — Finished

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International Chinese Intelligent Teaching System — Finished

- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users
- Tools Used: C#, .NET, SQL, XML

Custom Operating System — 2002

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: C

Technologies

Languages: C++, C, Java, Objective-C, C#, SQL, JavaScript

Technologies: .NET, Microsoft SQL Server, XCode, Interface Builder