Ziming You

Beijing | zimingyou@stu.pku.edu.cn | +86-153-2127-6147 | luffyzm3d2y.github.io | github.com/Luffyzm3D2Y

Education

Peking University, M.S. in Software Engineering Sept 2023 – July 2025
(expected)

- School of Software & Microelectronics
- **Advisor:** Prof. Yu Huang

Beihang University, B.S. in Computer Science Sept 2018 – July 2022

- School of Computer Science & Engineering
- GPA: 3.69/4.0

Experience

Natural Language Processing Lab at Tsinghua University (THUNLP) **Full-time Research Intern**
Internship Trainee in NLP Research for Agents and Multi-agent Systems November 2023 – Present

- Conducted research on multi-agent systems, contributing to the development of the Internet of Agents (IoA) framework and co-authored the paper "Internet of Agents: Weaving a Web of Heterogeneous Agents for Collaborative Intelligence," currently under review. Ongoing work and future plans are being actively pursued.

ModelBest Inc. **Full-time Internship**
Internship Trainee in LLM Algorithms May 2023 – October 2023

- Enhancement of large language model capabilities (primarily focused on reproducing and improving research in the alignment stage and data generation for Chinese models):
  - Reproduced and improved several research works to enhance the instruction-following capabilities of large language models.
  - Enhanced the multi-turn dialogue capabilities of large language models.
  - Contributed to the security construction of large model systems.
- Application of large models in the financial vertical (to Business):
  - Explored and facilitated the integration of large language models into financial services.

Publications

Internet of Agents: Weaving a Web of Heterogeneous Agents for Collaborative Intelligence(Under Review) July 2024

Weize Chen[*], *Ziming You*[*], Ran Li[*], Yitong Guan[*],
Chen Qian, Chenyang Zhao, Cheng Yang, Ruobing Xie, Zhiyuan Liu, Maosong Sun

An open-sourced multi-agent framework, the Internet of Agents (IoA), effectively connects diverse heterogeneous agents for collaborative intelligence. Experimental results demonstrate IoA's superior performance across a wide range of tasks, proving its effectiveness and flexibility in facilitating agent collaboration.The paper is currently under review, with ongoing work in progress.

GitHub Arxiv Preprint

Projects

WizardLM and UltraLM Reproduction and Improvement 2023, Modelbest

- Reproduced and improved parts of WizardLM and UltraLM projects. Integrated self-instruct methods and refined multi-turn dialogue in writing scenarios to enhance question and answer quality.
- **Language:** Python
- **Field:** Instruction Tuning, LLM based Data Generation

GPT-4 and Expert Prompt Method Implementation 2023, Modelbest

- Implemented GPT-4 + Expert System Prompt based on Orca and Expert Prompt papers, enhancing GPT-4's response quality across various instructions.
- **Language:** Python
- **Field:** Instruction Tuning, LLM based Data Generation

Chinese Model Safety Data Generation Framework 2023, Modelbest

- Developed a framework for generating high-quality SFT data for Chinese safety alignment. Automatically generated data based on the Cyberspace Administration of China's regulations and primary content risks.
- **Language:** Python
- **Field:** AI Safety, LLM based Data Generation

Five-Stage Pipeline CPU based on MIPS Architecture 2019.09 – 2019.11, BUAA

- Developed a five-stage pipeline CPU using Verilog, supporting 50 MIPS instructions. Handled structural, data, and control hazards through forwarding and stalling. Supported basic I/O and interrupts.
- **Language:** Verilog, MIPS
- **Field:** Computer Architecture

C0 Compiler with Intermediate Code Generation 2020.09 – 2020.12, BUAA

- Implemented a complete compiler in C++ for C0 grammar, translating source code into executable MIPS assembly. The compiler supports loops, conditionals, multi-functions, and nested code blocks, including intermediate code generation and basic optimization.
- **Language:** C/C++
- **Field:** Compiler Design

Honors And Awards

ModelBest Excellent Internship Award, 2023

Outstanding Graduates of BUAA, 2022

National Endeavor Scholarship, Beihang University, 2019-2020

BUAA Academic Excellence Scholarship, 2019-2020