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

Research Intern (remote from March 2024), THUNLP, Tsinghua University — 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.

Large Language Model Engineering Intern, Full-time, ModelBest — 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.

arXiv:2407.07061

Projects

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

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

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