Zhuoyun Du

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Education

Zhejiang University, Hangzhou, China — Sept 2024 – Jul 2027 (Expected)
M.Eng. in Data Science and Engineering, Natural Language Processing, Agentic Systems

Jinan University, Guangzhou, China — Sept 2020 – Jul 2024
B.Eng. in Computer Science and Technology (Rank: 3 / 99, GPA: 4.00)

Project Experience

Multi-Agent Cross Team Collaboration *Leader* — November 2023 – June 2024
Proposed a framework that effectively organizes multiple customizable content generation agent teams through collaborative communication between teams at key stages, breaking the closed nature of individual agent teams. The paper has been accepted by Findings of ACL 2025. [Paper], [Github].

Agent Coevolution Framework *Leader* — August 2024 – December 2024
This study demonstrates that enhancing both doctor questioning quality and patient response fidelity is achieved through Agent Coevolution (i.e., mutual interaction) rather than reliance on post-hoc orchestration. The paper has been accepted by ACL 2025. [Paper], [Github].

Multi-Agent Collaboration Network *Member* — November 2023 – June 2024
Investigated the Collaborative Scaling Law in LLM-based multi-agent systems. My role focused on developing critical core code modules and agent profile generation. Paper accepted to ICLR 2025. [Paper], [Github].

Asymmetric Multi-Agent Cooperation *Member* — November 2023 – June 2024
This research explored how agents exchange information for effective cooperation in information asymmetric environments. The paper has been accepted by NeurIPS 2024. [Paper], [Github].

Internship Experience

Tsinghua University — December 2023 – August 2024
Research Assistant at THUNLP, advisor: Prof. Zhiyuan Liu

- Served as a key contributor to **Multi-agent** collective intelligence research, focusing on the **ChatDev** project.
- Researched methods to improve collective **LLM** capabilities via cross team cooperation and competition.
- Garnered over **28k** GitHub stars as a key branch of ChatDev, reflecting significant community impact.

Alibaba — January 2025 – Now
Intern Algorithm Engineer, Research Position

Conducting multi-agent latent space communication research, paper submitted to ICLR 2026 and WWW2026 as the first and co-first author.

Related Skills

- Mandarin (Native), **English (Fluent, IELTS: 7.5)**; Programming languages: Python, C/C++, LaTeX.
- Multi-agent system design and application, LLM Fine-Tuning, PyTorch, HuggingFace Transformers.

Awards and Honors

- Recipient of the National Scholarship (0.2% Nation wide), Outstanding Graduate Student (2025)
- Awarded the Gold Prize in the Wu Yufu Technology Innovation Competition.
- Outstanding Graduate Student First-Class Scholar, three year Scholarships.

Interests and Specialties

- Grade 7 Piano Certificate.
- Former **National Champion in Amateur Épée Fencing**, enjoy football (multiple awards), snowboarding, table tennis, Chinese short weapon combat and other sports.
- Movies, music, and photography; passionate about art and aesthetics with broad cultural literacy.

Publications

1. **Zhuoyun Du**[†], Chen Qian[†], Wei Liu, Zihao Xie, Yifei Wang, Yufan Dang, Weize Chen, and Cheng Yang. Multi-agent software development through cross-team collaboration. *Findings of ACL 2025.*
2. **Zhuoyun Du**[†], Lujie Zheng[†], Renjun Hu, Yuyang Xu, Xiawei Li, Ying Sun, Wei Chen, Jian Wu, Haolei Cai, and Haohao Ying. LLms can simulate standardized patients via agent coevolution. *ACL 2025.*
3. Chen Qian[†], Zihao Xie[†], Yifei Wang[†], Wei Liu, Yufan Dang, **Zhuoyun Du**, Weize Chen, Cheng Yang, Zhiyuan Liu, and Maosong Sun. Scaling large-language-model-based multi-agent collaboration. *ICLR 2025.*
4. Wei Liu[†], Chenxi Wang[†], Yifei Wang, Zihao Xie, Rennai Qiu, Yufan Dang, **Zhuoyun Du**, Weize Chen, Cheng Yang, and Chen Qian. Autonomous agents for collaborative task under information asymmetry. *NeurIPS 2024.*

Personal Homepage: https://xiaodu-flying.github.io/.
Google Scholar Profile: https://scholar.google.com/citations?user=pY1vwigAAAAJ&hl=zh-CN.
[†] equal contribution.