



# Chengyu Du (杜承豫)

chengyudu@m.fudan.edu.cn · <https://cydu24.github.io>

## RESEARCH INTEREST

Chengyu Du (杜承豫) is a second-year M.S. candidate at Fudan University CS. His current research interests are mostly around building *Interleaved Agent* and *World-Play Agent*:

- **Interleaved Agent:** Enhance the model's capability in handling long-horizon tasks for complex agents and the generalization performance of agents, ultimately achieving agent-in-the-loop self-iteration.
- **World-Play Agent:** Developing expansive, autonomously operating open-world World-play. This extends towards the exploration of its interactions with personalized characters and real environments.

## Experiences

### MiniMax (Shanghai, China)

Jan 2025 - Present

- Role: Research Intern, at [LLM Post training Team](#)
- Mentor: [Zishan Huang, Pengyu Zhao](#)
- Responsibilities: Talkie role-play Agent Models. Training a personalized RM and Role-play Model through case rubrics genRM for RL. 2) Training an agent with both strong emotional intelligence and excellent tool use. 3) Notably, during the experimental period, the total duration of stay increased by 17%, and the number of conversations increased by 24%. [1]
- Participated in M2.1 Terminal Bench [3], Tool scaling and IMO Math Verifiable Tasks & M2 [2] Brows-camps [5] and ,M1 (CISPO) [4] Reasoning Tasks with tool, Through RL, SFT, and Data Workflow.

### Alibaba Inc. (Hangzhou, China)

Jan 2024 - Jan 2025

- Role: Research Intern, at [Alibaba Inc.](#)
- Mentor: [Zulong chen](#)
- Responsibilities: Work on Progressive Self-reflection in LLMs [6] & Directed Persona Refinement Through RL [7].

## Education

### Fudan University (Shanghai). M.S. in School of CS

2024 - 2027

- [Shanghai Key Laboratory of Data Science, Knowledge Works Laboratory.](#)
- Advisor: [Yanghua Xiao,Jiangjie Chen.](#)
- Team Leader: [Siyu Yuan,Xintao Wang.](#)

### Hangzhou Dianzi University B.S. in School of CS (graduated with *honors*)

2020 - 2024

- Class Monitor on Honor Class, Top 2 Recommended postgraduate to FDU.

## Skills

IELTS 7, ENFJ, Skilled at Agent Anything, Workaholic, Communicating, Organizing Events.

## Selected Awards

### Provincial Government Scholarships(**Top 1 %**)

2024

### University First-Class Scholarships(**Top 1 %**)

2024

### Excellent Graduates of Zhejiang(**Top 1 %**)

2024

## Selected Publications

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- [1] **HER: Human-like Reasoning and Reinforcement Learning for LLM Role-playing**  
Chengyu Du Xintao Wang, Aili Chen, Weiyuan Li Pengyu Zhao et al.  
Under review, : **ACL 2026**.
- [2] **MiniMax-M2-her: How we built a Role-Play Agent for the production usage.**  
MiniMax Team.  
Technical Report, 2025.
- [3] **MiniMax-M21: Enhanced Multi-Language Programming and Real-World Complex Tasks**  
MiniMax Team.  
Technical Report, 2025.
- [4] **MiniMax-M2: A model built for Max coding & agentic workflows**  
MiniMax Team.  
Technical Report, 2025.
- [5] **DIVE: Scaling Diversity in Agentic Task Synthesis for Generalizable Tool Use**  
Aili Chen, Chi Zhang, Junteng Liu, Jiangjie Chen, Chengyu Du, Pengyu Zhao et al.  
Under review, : **ICML 2026**.
- [6] **MiniMax-M1: Scaling Test-Time Compute Efficiently with Lightning Attention**  
MiniMax Team.  
Technical Report, 2025.
- [7] **WebExplorer: Explore and Evolve for Training Long-Horizon Web Agents**  
J Liu, Y Li, C Zhang, J Li, A Chen, K Ji, W Cheng, Z Wu, **Chengyu Du**, Q Xu, et al.  
Under review, in: **ICLR 2026**.
- [8] **Think Thrice Before You Act: Progressive Thought Refinement in Large Language Models**  
**Chengyu Du**, J Han, Y Ying, A Chen, Q He, H Zhao, S Xia, H Guo, J Liang, et al.  
Regular paper, in: **ICLR 2025**.
- [9] **Deeper Insight into Your User: Directed Persona Refinement for Dynamic Persona Modeling**  
A Chen, **Chengyu Du**, J Chen, J Xu, Y Zhang, S Yuan, Z Chen, L Li, Y Xiao.  
Regular paper, in: **ACL 2025**.
- [10] **CEM: A Data-Efficient Method for Large Language Models to Continue Evolving From Mistakes**  
H Zhao, J Han, J Shi, **Chengyu Du**, J Liang, Y Xiao, W Zhou, Z Sun, F Yu.  
Regular paper, in: **CIKM 2025**.
- [11] **Data-Efficient Selection via Grammatical Complexity in Continual Pre-training of Domain-Specific LLMs**  
Y Ying, G Zhang, C Danxin, **Chengyu Du**, G Yue, S Jiang, J Liang, Y Fu, H Hu, et al.  
Regular paper, in: **EMNLP 2025**.
- [12] **Sed: Self-Evaluation Decoding Enhances Large Language Models for Better Generation**  
Z Luo, H Han, H Zhao, G Jiang, **Chengyu Du**, T Li, J Liang, D Yang, Y Xiao.  
Preprint, *arXiv preprint arXiv:2405.16552*, 2024.
- [13] **Enhancing Confidence Expression in Large Language Models Through Learning From Past Experience**  
H Han, T Li, S Chen, J Shi, **Chengyu Du**, Y Xiao, J Liang, X Lin.  
Preprint, *arXiv preprint arXiv:2404.10315*, 2024.
- [14] **Large Language Model Can Continue Evolving From Mistakes**  
H Zhao, H Han, J Shi, **Chengyu Du**, J Liang, Y Xiao.  
Preprint, *arXiv preprint arXiv:2404.08707*, 2024.
- [15] **Efficient and Effective Expert Finding Based on Community Search: A Demonstration**  
**Chengyu Du**, X Gou, Y Wang, X Xu.

Conference paper, in: **CBD 2022** (*2022 Tenth International Conference on Advanced Cloud and Big Data*), 2022.

[16] **Trading Strategy Based on DQN and Dynamic Programming**

Y Qiu, **Chengyu Du**, Y Zhang, Z Qiu, Y Yang.

Conference paper, in: **CVIDL 2022** (*2022 3rd International Conference on Computer Vision, Image and Deep Learning*), 2022.

## Selected Patents

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[1] **A Method for Retrieving Scientific and Technical Experts Based on Community Queries and High-Dimensional Vector Retrieval**

**Chengyu Du** (First Author).

Invention Patent, **Authorized** (CN115630141B).

## Academic Service

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① Reviewer for leading conferences, including ACL ARR (2025-), ICLR (2025-), and related workshops.