

Zucan Lv

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Education

University of Science and Technology of China (USTC) 2023.09-Now
Bachelor of Engineering in Computer Science and Technology

- GPA: 3.81/4.3; Average Score: 89.08/100 (Top 15%)
- **Key Coursework:** Data Structure (4.3/4.3), Introduction to Computing System (4.3/4.3), Mechanics (4.3/4.3), Algebraic structure (4.0/4.3), Graph Theory(4.0/4.3)

Research Interests

Coding/Computer-use Agents, Multi-agent System, Embodied AI

Research Experience

Research Intern University of Science and Technology of China
Advisor: **Prof. Xiaohua Xu** 2024.09-2025.02

- **Assisted in proposing a novel multi-agent brainstorming approach** that overcomes LLM reasoning limitations and achieves state-of-the-art performance on several challenging tasks.
- Conducted a large-scale dataset collection and processed experimental data.
- **Independently completed the writing of the full appendix** and assisted in drafting the main text.

Research Intern (Undergraduate Research Program) University of Science and Technology of China
Advisor: **Prof. Defu Lian** 2025.01-Present

- Designing an automated research framework based on large models and multi-agent collaboration for scientific practice.

Publications

Boosting Reasoning Iteratively by Multi-agent Sequential Brainstorming Fifth Author
Underrevision 2025.01

Projects

University Teaching Administration System

- Developed a comprehensive academic management system that supports course selection for students and course management by the school.
- Tools Used: Java, JavaFX, SQL
- Open source: github.com/zucanlv/SECWS

Skills

Programming: C, Python, Pytorch, C++ , Java, JavaFX
English: CET4: 615 ; CET6: 558