





Yuhan Cao

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Research Experience

- 2024 – 2025  **Research Intern**, Shanghai Qi Zhi Institute.
- 2022 – 2025  **Undergraduate Researcher**,
The ShanghaiTech Multi-Agent systems Research Team (SMART),
ShanghaiTech University.
- 2024 – 2024  **Research Intern**, Microsoft Research Asia.
- 2023 – 2023  **Research Intern**, daGAME Lab, Peking University.





Education

- 2020 – 2025  **B.Eng. in Computer Science**, ShanghaiTech University
Thesis: *Mechanism Design in Large Language Model Scenario*.
- 2023 – 2023  **Visiting Student in Computer Science Thematic Track**,
University of Wisconsin-Madison.

Publications and Manuscripts

- 1 **Y. Cao***, W. Zhang*, X. Zhang, *et al.*, “Prediction of persistent drug seeking behavior by brain-wide network,” *Manuscript*, 2025.
- 2 **Y. Cao***†, Z. Chen*, K. Quan, *et al.*, “Can llms generate reliable test case generators? a study on competition-level programming problems,” *Under review*, 2025.
- 3 Z. Ling*, Y. Zhou*, **Y. Cao***†, *et al.*, “Convince me with more paragraphs: Generate and evaluate persuasive writing with multi-agent llms,” *Under review*, 2025.
- 4 C. Zheng, **Y. Cao**, X. Dong, and T. He†, “Demonstrations of integrity attacks in multi-agent systems,” *Under review*, 2025.
- 5 M. Li, **Y. Cao**, and D. Zhao†, “Double auction on diffusion network,” in *Proceedings of the AAAI Conference on Artificial Intelligence*, vol. 38, 2024, pp. 9848–9855.
- 6 X. Li, M. Li, **Y. Cao**, and D. Zhao†, “Combinatorial diffusion auction design,” 2024. arXiv: 2410.22765 [cs.GT].  URL: <https://arxiv.org/abs/2410.22765>.

Selected Awards

- 2022  **Merit Student (3%-7%)**, ShanghaiTech University
- 2022, 2024, 2025  **Outstanding Teaching Assistant**, ShanghaiTech University
- 2024  **2nd Prize**, ICPC Hongkong Regional
- 2022  **1st in Honorable Mention**, ICPC EC Final