

Zhicheng Du

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Introduction

I am a third-year PhD student at the Artificial Intelligence Department, RUC. I am advised by Professor Zihe Wang. Previously, I was an undergraduate student in computer science and technology at Central South University.

I am interested in EconCS and Multi-Agent System. My current research focuses on information design, with particular emphasis on equilibrium characterization in competitive information design games. Meanwhile, I am also interested in the intersection of game theory and large language models.

Education

Central South University, Changsha, Bachelor Sept 2018 – June 2022

- **Department:** Computer Science and Technology
- **Grade:** 91.86/100.00
- **Coursework:** Computer Architecture, Discrete Mathematics, Algorithms, Machine Learning

Renmin University of China, Beijing, PhD Candidate Sept 2022 – June 2027

- **Department:** Gaoling School of Artificial Intelligence
- **Grade:** 3.91/4.00
- **Coursework:** Recommender Systems, Game Theory, Operations Research, Reinforcement Learning,

Publications

Competitive Information Design with Asymmetric Senders July 2024

The Twenty-Fifth ACM Conference on Economics and Computation (EC'24)
(alpha-beta) **Zhicheng Du**, Wei Tang, Zihe Wang, Shuo Zhang

SRAP-Agent: Simulating and Optimizing Scarce Resource Allocation Policy with LLM-based Agent (Findings) May 2024

The 2024 Conference on Empirical Methods in Natural Language Processing (EMNLP'24)
Jiarui Ji, Yang Li, Hongtao Liu, **Zhicheng Du**, Zhewei Wei, Weiran Shen, Qi Qi, Yankai Lin

Talks

Competitive Information Design with Asymmetric Senders Sept 2024

Conference proceedings talk, GAMES 2024, Peking University, China

Competitive Information Design with Asymmetric Senders July 2024

Conference proceedings talk, EC 2024, Yale University, USA

Skills

Languages: Chinese (native), English (CET-4:624, CET-6:535)

Codes: C, C++, Java, Python, LLMs