

Zhicheng Du

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Introduction

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

My current research focuses on information design, with particular emphasis on competitive information design games. Meanwhile, I am also interested in the intersection of game theory and artificial intelligence.

Education

Central South University, Changsha, Bachelor	Sept 2018 – June 2022
• Department: Computer Science and Technology	
Renmin University of China, Beijing, PhD Candidate	Sept 2022 – June 2027
• Department: Gaoling School of Artificial Intelligence	
National University of Singapore, Singapore, Visiting Scholar	Sept 2025 – Mar 2026
• Department: Economics Host: Prof. Yingkai Li	

Publications

Competitive Information Design with Asymmetric Senders EC'24 (alpha-beta) <i>Zhicheng Du</i> , Wei Tang, Zihe Wang, and Shuo Zhang	July 2024
SRAP-Agent: Simulating and Optimizing Scarce Resource Allocation Policy with LLM-based Agent (Findings) EMNLP'24 Jiarui Ji, Yang Li, Hongtao Liu, <i>Zhicheng Du</i> , Zhewei Wei, Weiran Shen, Qi Qi, and Yankai Lin	May 2024

Working Papers

Competitive Information Design in Sequential Search (alpha-beta) <i>Zhicheng Du</i> , Hu Fu, Ying Qin, and Zihe Wang	Feb 2025
Optimal Calibrated Signaling in Digital Auctions (alpha-beta) <i>Zhicheng Du</i> , Wei Tang, Zihe Wang, and Shuo Zhang,	May 2025
CHBench: A Cognitive Hierarchy Benchmark for Evaluating Strategic Reasoning Capability of LLMs Hongtao Liu, <i>Zhicheng Du</i> , Zihe Wang, and Weiran Shen,	Aug 2025

Talks

Competitive Information Design with Asymmetric Senders Conference proceedings talk, GAMES 2024, Peking University, China	Sept 2024
Competitive Information Design with Asymmetric Senders Conference proceedings talk, EC 2024, Yale University, USA	July 2024

Skills

Languages: Chinese (native), English

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