

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

Working Papers

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

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

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