

XIHAN DENG

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EDUCATION

Shanghai Jiao Tong University

Bachelor of Engineering

Sep. 2023–Expected Jun. 2027

- IEEE Honor Class
- Majors: Computer Science and Technology / Mathematics and Applied Mathematics (Double Major)
- GPA: 4.07/4.30 (93.8/100 Weighted Average Score)
- Achieved A+ grades (95-100) in all Math Double Major courses to date

RESEARCH EXPERIENCE

John Hopcroft Center, Shanghai Jiao Tong University

Advisor: Prof. Yuhao Zhang

Jul. 2025–Present

- **The Price of Anarchy for Selfish Load Balancing**
 - * Conducted research with Yaonan Jin, Wenqian Wang, and Yuhao Zhang.
 - * Established tight bounds on the Price of Anarchy for Bayesian Nash Equilibria under both independent and correlated priors, and for Correlated and Coarse Correlated Equilibria in selfish load balancing.

PUBLICATIONS

Authors are listed alphabetically, following the convention in theoretical computer science.

1. The Price of Anarchy for Selfish Load Balancing
Xihan Deng, Yaonan Jin, Wenqian Wang, and Yuhao Zhang
67th Annual IEEE Symposium on Foundations of Computer Science (FOCS 2026)

MANUSCRIPTS

1. The Price of Anarchy for Selfish Load Balancing under Correlated Priors
Xihan Deng, Yaonan Jin, Wenqian Wang, and Yuhao Zhang

SELECTED HONORS

- China National Scholarship for Undergraduate Students 2025
 - Highest honor for undergraduates in China

TEACHING

- **Teaching Assistant** at Shanghai Jiao Tong University Spring 2026
Algorithm Design and Analysis (AI2615)

LANGUAGE SKILLS

- **Mandarin Chinese:** Native
- **English:** Fluent; TOEFL iBT: 5.5/6.0 (110/120, CEFR C1), with all section scores at least 5.0/6.0