

# Tianle Jiang

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🌐 [relyt871.github.io](https://relyt871.github.io)

## Research Interests

- Algorithmic Game Theory
- Computational Social Choice
- Online Algorithms
- Approximation Algorithms

## Education

2021 – **B.S. in Computer Science, ACM Honors Class, Zhiyuan College,**  
Present *Shanghai Jiao Tong University, Shanghai*  
Selected course grades:  
Probability (95/100), Graph Theory and Combinatorics (97/100), Advanced Algorithms (100/100), Computational Complexity (97/100).

## Publications

2024 **Edge Arrival Online Matching: the Power of Free Disposal on Acyclic Graphs**  
( $\alpha$ - $\beta$ ) **Tianle Jiang**, Yuhao Zhang  
The 20th Conference on Web and Internet Economics (WINE), 2024

## Research Experience

2024.7 – **Brown University, Providence, RI**  
Present Visiting student hosted by Prof. Yu Cheng.  
Research projects:

- Communication complexity of graph problems (with Prof. Yu Cheng and Prof. Huacheng Yu).
- Private signaling in routing games (with Prof. Yu Cheng).

2023.9 – **Shanghai Jiao Tong University, Shanghai**  
Present Advised by Prof. Yuhao Zhang.  
Research projects:

- Online matching with free disposal (with Prof. Yuhao Zhang).
- Fractional fully online matching (with Prof. Yuhao Zhang and Prof. Zhihao Gavin Tang).

## Honors and Rewards

2024.4 **Finalist, ICPC World Finals 2022**

- 2024.1 **Gold Medal**, *ICPC Asia-East Continent Final Contest*  
Ranked 11th out of 319 teams.
- 2023.10 **Gold Medal**, *ICPC Asia Xi'an Regional Contest*  
Ranked 4th out of 379 teams.
- 2023.3 **Gold Medal**, *Asia-East Continent Final Contest*  
Ranked 11th out of 281 teams.
- 2023.1 **Champion**, *ICPC Asia Honkong Regional Contest*
- 2022.12 **Gold Medal**, *ICPC Asia Hangzhou Regional Contest*  
Ranked 4th out of 544 teams.
- 2022.7 **Gold Medal**, *ICPC Asia-East Continent Final Contest*  
Ranked 28th out of 356 teams.
- 2021.12 **Gold Medal**, *ICPC Asia Nanjing Regional Contest*  
Ranked 7th out of 638 teams.
- 2021.11 **Gold Medal**, *ICPC Asia Shenyang Regional Contest*  
Ranked 5th out of 575 teams.
- 2022, 2023 **Zhiyuan Honorary Scholarship**  
5% among CS students each year.

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## Skills

**TOEFL**, 110 (Speaking 24, Writing 27)