

Yixiong (Colin) Gao

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RESEARCH INTEREST

I have a broad interest in theoretical computer science (TCS) and operations research (OR).

Currently, I am focusing on the following topics:

- **Algorithmic Mechanism Design:** Scheduling Games, Fair Allocation.
- **Combinatorial Optimization:** Scheduling Problems, Knapsack Problems.

EDUCATION

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| • City University of Hong Kong
<i>Ph.D candidate in Computer Science, supervised by Prof. Minming Li</i> | <i>Hong Kong SAR, China</i>
Sept. 2024 – Present |
| • Hangzhou Dianzi University
<i>B.Eng. (Honors) in Computer Science and Technology, GPA: 4.64/5.00, Rank: 1/21</i> | <i>Hangzhou, China</i>
Sept. 2020 – Jun. 2024 |

EXPERIENCE

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| • Ant Group
<i>Research Intern in the Department of Super Computing Technology</i> | <i>Hangzhou, China</i>
Aug. 2025 – Dec. 2025 |
| • Zhejiang University
<i>Visiting Research Student, advised by Prof. Lin Chen and Prof. Guochuan Zhang</i> | <i>Hangzhou, China</i>
Jul. 2025 – Dec. 2025 |
| • City University of Hong Kong Shenzhen Research Institute
<i>Research Intern, advised by Prof. Minming Li</i> | <i>Shenzhen, China</i>
Sept. 2023 – Feb. 2024 |
| • City University of Hong Kong
<i>Visiting Research Student, advised by Prof. Minming Li</i> | <i>Hong Kong SAR, China</i>
Sept. 2023 – Feb. 2024 |

TEACHING

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| • [CS 6382] Algorithm Analysis and Game Theory
<i>Teaching Assistant, City University of Hong Kong, Graduate Level</i> | <i>Hong Kong SAR, China</i>
2025 |
| • [CS 3391] Advanced Programming
<i>Teaching Assistant, City University of Hong Kong, Undergraduate Level</i> | <i>Hong Kong SAR, China</i>
2023, 2025, 2026 |

PUBLICATIONS AND MANUSCRIPTS

C=CONFERENCE, J=JOURNAL, S=IN SUBMISSION

The authors' names are listed in alphabetical order in Theory-related papers. ([why?](#))

- [C.1] **Revisit the Scheduling Problem with Calibrations.**
Lin Chen, Yixiong Gao, Minming Li, Guohui Lin, and Kai Wang.
In the 35th International Symposium on Algorithms and Computation (ISAAC 2024).
- [S.1] **Crane Scheduling Problem with Energy Saving.**
Yixiong Gao, Florian Jaehn, Minming Li, Wenhao Ma, and Xinbo Zhang.
under review.

SCHOLARSHIPS

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| • Postgraduate Studentship (City University of Hong Kong) | <i>2024 – Present</i> |
| • Zhejiang Provincial Government Scholarship | <i>2022, 2023</i> |
| • First Class Scholarship (Hangzhou Dianzi University) | <i>2021, 2022, 2023</i> |

HONORS AND AWARDS

- **Awards in International Collegiate Programming Contests (ICPC)**
 - Gold medal in the 49th ICPC Asia Hangzhou Regional Contest Nov. 2024
 - Gold medal in the 48th ICPC Asia Hangzhou Regional Contest Dec. 2023
 - Gold medal in the 47th ICPC Asia Nanjing Regional Contests Dec. 2022
 - Gold medal in the 47th ICPC Asia Hefei Regional Contest Nov. 2022
 - Gold medal in the 45th ICPC Asia Jinan Regional Contest Dec. 2020
- **Awards in China Collegiate Programming Contests (CCPC)**
 - Gold medal in the 9th CCPC Harbin Site Nov. 2023
 - Gold medal in the 8th CCPC Guangzhou Site Nov. 2022
 - Gold medal in the 8th CCPC Weihai Site Nov. 2022
- **Awards in IEEEXtreme Programming Competition**
 - Hong Kong Championship in IEEEXtreme 18.0 (13th globally) Oct. 2024
 - Hong Kong Championship in IEEEXtreme 17.0 (11th globally) Oct. 2023
- **CCF Elite Collegiate Award**
Awarded by the China Computer Federation to about 100 undergraduate students in China each year. Oct. 2023

SERVICE

- **Organizing Committee Member of Universal Cup** 2025 – Present
- **Problem Setter and Chief Judge of Competitive Programming Contests** 2022 – Present
 - ICPC Asia East Continent Online Contest (2023 I, 2024 II);
 - CCPC Women's Division & Vocational Division (2025);
 - Osijek Competitive Programming Camp (2026 Winter);
 - Multi-University Training Contests on HDUOJ (2023, 2024);
 - Guangxi Collegiate Programming Contest (2021, 2022, 2023, 2024, 2025);
- **Student Coach of CityUHK Competitive Programming Training Team** 2023 – Present
- **Student Coach of HDU Competitive Programming Training Team** 2022 – 2023

Updated January 29, 2026