

YIXUAN (EVEN) XU

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GHC 7203 · Carnegie Mellon University · Pittsburgh · USA · Last Update: December 13, 2024

EDUCATION

Carnegie Mellon University, Pittsburgh, USA Ph.D. in Computer Science (Advisors: Zico Kolter and Fei Fang)	2024.08 – Present
Tsinghua University, Beijing, China Bachelors of Engineering in Computer Science (Yao Class), GPA: 4.0/4.0 (1/77)	2020.09 – 2024.06

PUBLICATIONS AND ACCEPTED PAPERS

Deviate or Not: Learning Coalition Structures with Multiple-bit Observations in Games

Yixuan Even Xu, Zhe Feng, and Fei Fang. To appear in *Proc. AAAI*, 2025.

Improving Community-Participated Patrol for Anti-Poaching

Yufei Wu, **Yixuan Even Xu**, Xuming Zhang, Duo Liu, Shibing Zhu, and Fei Fang. To appear in *Proc. AAAI*, 2025.

Aggregating Quantitative Relative Judgments: From Social Choice to Ranking Prediction

Yixuan Even Xu, Hanrui Zhang, Yu Cheng, and Vincent Conitzer. In *Proc. NeurIPS*, 2024.

Bidder Selection Problem in Position Auctions:

A Fast and Simple Algorithm via Poisson Approximation

Nick Gravin*, **Yixuan Even Xu***, and Renfei Zhou*. In *Proc. WWW*, 2024.

Selected for **Oral Presentation**.

Learning Coalition Structures with Games

Yixuan Even Xu, Chun Kai Ling, and Fei Fang. In *Proc. AAAI*, 2024.

Non-excludable Bilateral Trade between Groups

Yixuan Even Xu, Hanrui Zhang, and Vincent Conitzer. In *Proc. AAAI*, 2024.

A One-Size-Fits-All Approach to Improving Randomness in Paper Assignment

Yixuan Even Xu, Steven Jecmen, Zimeng Song, and Fei Fang. In *Proc. NeurIPS*, 2023.

Selected for **Spotlight Presentation**. **Deployed in NeurIPS 2024**. **Covered by NeurIPS conference blog**.

On the Perturbation Function of Ranking and Balance for Weighted Online Bipartite Matching

Jingxun Liang*, Zhihao Gavin Tang*, **Yixuan Even Xu***, Yuhao Zhang*, and Renfei Zhou*. In *Proc. ESA*, 2023.

WORKING PROJECTS

- **Large Language Model Unlearning Methods Evaluation**
- **Fully Differentiable Alignment for Large Language Model Fine-tuning**

HONORS AND AWARDS (SELECTED)

Huaying Deben Fellowship Awarded to 3 students in Changzhou, China in 2024	2024.08
Outstanding Graduate of Beijing Awarded to 5% graduates in Beijing	2024.06
Valedictorian of Yao Class Honored to talk at the Yao Class Commencement	2024.06

- **Yao Award (Silver Medal)** 2023.09
Awarded to 3 students in Yao Class in 2023
- **National Scholarship of China** 2021.10
Awarded to 0.2% students in China in 2021
- **Huaying Fellowship** 2020.09
Awarded to around 20 students in Changzhou, China in 2020

COMPETITIVE PROGRAMMING (SELECTED)

- **ICPC World Finals, Bronze Medal** 2024.04
Ranked 10th with teammates Sunli Chen and Junzhao Yang
- **ICPC Asia-East Continent Final Contest, Second Place** 2022.07
Ranked 3rd with teammates Sunli Chen and Junzhao Yang
- **CCPC National Final, Gold Award** 2022.04
Ranked 3rd with teammates Binwei Yan and Renfei Zhou
- **National Olympiad in Informatics, Gold Medal** 2019.07
Ranked 8th in China
- **Asia-Pacific Informatics Olympiad, International Gold Medal** 2018.05
Ranked 7th in Asia Pacific

TEACHING

- **Design and Analysis of Algorithms (Tsinghua University)** Fall 2023
Teaching assistant (Instructor: Ran Duan)

SERVICE

- **Conference Reviewing**
AAAI (2025), ICLR (2025), NeurIPS (2024)
- **Yao Class Research Seminar** Fall 2023 – Spring 2024
Host with co-organizers Renfei Zhou, Kaiyue Wen, Jingxun Liang, Zhaokai Pan, and Jiahong Shen
- **Drop-in Tutoring for STEM Courses of Tsinghua University** Spring 2022 – Fall 2023
Volunteer with over 100 hours of tutoring

PROFESSIONAL EXPERIENCE

- **Wizard Quant** 2024.01 – 2024.01
Quantitative research intern on future trading, ranked 1st out of 9 interns
- **Carnegie Mellon University** 2023.02 – 2023.09
Research intern advised by Fei Fang and Vincent Conitzer
- **Beijing Academy of Artificial Intelligence** 2021.04 – 2021.09
Research intern advised by Yang Yuan

SKILLS

- **Programming Languages:** C & C++, Python, LaTeX, Matlab
- **Community Engagement:** 132.5 hours of officially recorded volunteering work at Tsinghua University
- **Hobbies:** Guitar Playing (Level 10 Amateur), Writing, Singing, Competitive Programming
- **Languages:** Chinese (Native), English (Fluent, TOEFL 114, GRE 336 + 5)

HONORS AND AWARDS (OTHER)

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| • Outstanding Graduate of Tsinghua University
Awarded to 2% graduates in Tsinghua University | 2024.06 |
| • Outstanding Graduate of IIIS
Awarded to 20% graduates in Yao Class | 2024.06 |
| • Wang Dazhong Scholarship
Awarded to 1 student per department in Tsinghua University in 2023 | 2023.09 |
| • CCF Outstanding Undergraduate
Awarded to around 100 students in China in 2023 | 2023.09 |
| • Four-star Zijing Volunteer of Tsinghua University
Awarded to students with over 120 hours of volunteering work in Tsinghua University | 2023.05 |
| • Jiang Nanxiang Scholarship
Awarded to 1 student per department in Tsinghua University in 2022 | 2022.10 |
| • Tsinghua Xuetang Talents Program Scholarship
Awarded to students within the Tsinghua Xuetang Talents Program | 2020.10 |
| • Second-class Freshman Scholarship of Tsinghua University
Awarded to freshmen with outstanding academic competition performance in high school | 2020.10 |

COMPETITIVE PROGRAMMING (OTHER)

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| • ICPC East Central NA Regional Contest, First Place
Ranked 1st with teammates Shiyuan Feng and Junzhao Yang | 2024.11 |
| • CCPC Weihai Regional Contest, Third Place
Ranked 3rd with teammates Sunli Chen and Junzhao Yang | 2022.11 |
| • ICPC Asia Kunming Regional Contest, First Place
Ranked 1st with teammates Sunli Chen and Junzhao Yang | 2022.04 |
| • Meituan Programming Contest, Third Prize
Ranked 13th with teammates Sunli Chen and Junzhao Yang | 2021.07 |
| • THU Student Programming Contest, Gold Award
Ranked 4th with teammates Sunli Chen and Ziqian Zhong | 2021.05 |
| • ICPC Asia Shanghai Regional Contest, Gold Award
Ranked 3rd with teammates Sunli Chen and Junzhao Yang | 2020.12 |
| • ICPC Beijing Xiaomi Invitational Contest, First Place
Ranked 1st with teammates Sunli Chen and Junzhao Yang | 2020.11 |
| • Asia-Pacific Informatics Olympiad, Gold Medal
Ranked 38th in China | 2019.05 |

- **National Olympiad in Informatics, Gold Medal** 2018.07
Ranked 25th in China
- **China Team Selection Competition, Gold Award** 2018.05
Ranked 11th in China
- **CCF NOI Winter Camp, Gold Award** 2018.02
Ranked 57th in China
- **National Olympiad in Informatics, Silver Medal** 2017.07
Ranked 83rd in China
- **Asia-Pacific Informatics Olympiad, Gold Medal** 2017.05
Ranked 43rd in China
- **China Team Selection Competition, Silver Award** 2017.05
Ranked 136th in China
- **CCF NOI Winter Camp, Gold Award** 2017.02
Ranked 27th in China
- **Asia-Pacific Informatics Olympiad, Silver Medal** 2016.05
Ranked 88th in China