

# YIXUAN (EVEN) XU

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GHC 7203 · Carnegie Mellon University · Pittsburgh · USA · Last Update: November 11, 2024

## EDUCATION

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

## PUBLICATIONS AND ACCEPTED PAPERS

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### **Aggregating Quantitative Relative Judgments: From Social Choice to Ranking Prediction**

**Yixuan Even Xu**, Hanrui Zhang, Yu Cheng, and Vincent Conitzer. To appear 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**.

### **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.

## MANUSCRIPTS

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- **Deviate or Not: Learning Coalition Structures with Multiple-bit Observations in Games**  
**Yixuan Even Xu**, Zhe Feng, and Fei Fang.
- **Improving Community-Participated Patrol for Anti-Poaching**  
Yufei Wu, **Yixuan Even Xu**, Xuming Zhang, Duo Liu, Shibing Zhu, and Fei Fang.

## HONORS AND AWARDS (SELECTED)

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| • <b>Huaying Deben Fellowship</b><br>Awarded to 3 students in Changzhou, China in 2024 | 2024.08 |
| • <b>Outstanding Graduate of Beijing</b><br>Awarded to 5% graduates in Beijing         | 2024.06 |
| • <b>Yao Award (Silver Medal)</b><br>Awarded to 3 students in Yao Class in 2023        | 2023.09 |
| • <b>National Scholarship of China</b><br>Awarded to 0.2% students in China in 2021    | 2021.10 |

- **Huaying Fellowship** 2020.09  
Awarded to around 20 students in Changzhou, China in 2020

## COMPETITIVE PROGRAMMING (SELECTED)

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- **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

## CONFERENCE REVIEWING

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- **NeurIPS 2024** 2024.07
- **ICLR 2025** 2024.10

## SERVICE

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- **Yao Class Research Seminar** Fall 2023 – Spring 2024  
Host with co-organizers Renfei Zhou, Kaiyue Wen, Jingxun Liang, Zhaokai Pan, and Jiahong Shen
- **Design and Analysis of Algorithms (Tsinghua University)** Fall 2023  
Teaching assistant (Instructor: Ran Duan)
- **Drop-in Tutoring for STEM Courses of Tsinghua University** Spring 2022 – Fall 2023  
Volunteer with over 100 hours of tutoring

## RESEARCH INTERNSHIPS

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- **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

## PROFESSIONAL INTERNSHIPS

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- **Wizard Quant** 2024.01 – 2024.01  
Quantitative research intern on future trading, ranked 1st out of 9 interns

## SKILLS

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

## COMPETITIVE PROGRAMMING (OTHER)

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