

YIXUAN (EVEN) XU

yixuanx@andrew.cmu.edu • <https://yixuanevenxu.github.io/>
GHC 7203 • Carnegie Mellon University • Pittsburgh • USA • Last Update: October 13, 2024

EDUCATION

Carnegie Mellon University, Pittsburgh, USA 2024.08 – Present
Ph.D. in Computer Science (Advisors: Zico Kolter and Fei Fang)

Tsinghua University, Beijing, China 2020.09 – 2024.06
Bachelors of Engineering in Computer Science (Yao Class), GPA: 4.0/4.0 (1/77)

PUBLICATIONS AND ACCEPTED PAPERS

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

- **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)

- **Huaying Deben Fellowship** 2024.08
Awarded to 3 students in Changzhou, China in 2024
- **Outstanding Graduate of Beijing** 2024.06
Awarded to 5% graduates in Beijing
- **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

CONFERENCE REVIEWING

- **NeurIPS 2024** 2024.07

SERVICE

- **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

- **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

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

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)

- **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 Xuetang Talents Program Scholarship** 2020.10
Awarded to students within the Tsinghua Xuetang 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)

- **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