Yixuan (Even) Xu

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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

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** 2024.08
  Awarded to 3 students in Changzhou, China in 2024

- **Outstanding Graduate of Beijing** 2024.06
  Awarded to 5% graduates in Beijing

- **Valedictorian of Yao Class** 2024.06
  Honored to talk at the Yao Class Commencement

- **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)

- **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)

- **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