Yixuan (Even) Xu

xuyx20@mails.tsinghua.edu.cn · https://yixuanevenxu.github.io/
Tsinghua University · Beijing · China · Last Update: June 11, 2024

Education

Tsinghua University, Beijing, China   2020.09 – Present
Bachelors of Engineering in Computer Science (Yao Class)
- GPA: 4.0/4.0
- Ranked 1st out of 77 students in Yao Class
- Selected coursework: Algorithm Design A+, Game Theory A+, Theory of Computation A+

Publications and Accepted Papers

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

- **Aggregating Quantitative Relative Judgements:**
  From Social Choice to Interpretable Ranking Prediction
  Yixuan Even Xu, Hanrui Zhang, Yu Cheng, and Vincent Conitzer.

- **Deviate or Not: Learning Coalition Structures with Multiple-bit Observations in Games**
  Yixuan Even Xu, Zhe Feng, and Fei Fang.

Honors and Awards (Selected)

- **National Scholarship of China**   2021.10
  Awarded to 0.2% students in China in 2021

- **Jiang Nanxiang Scholarship**   2022.10
  Awarded to 1 student per department in Tsinghua University in 2022

- **Wang Dazhong Scholarship**   2023.09
  Awarded to 1 student per department in Tsinghua University in 2023

- **Yao Award (Silver Medal)**   2023.09
  Awarded to 3 students in Yao Class in 2023

- **Huaying Scholarship**   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

- **ICPC Asia Kunming Regional Contest, First Place** — 2022.04
  Ranked 1st with teammates Sunli Chen and Junzhao Yang

- **CCPC National Final, Gold Award** — 2022.04
  Ranked 3rd with teammates Binwei Yan and Renfei Zhou

- **ICPC Beijing Xiaomi Invitational Contest, First Place** — 2020.11
  Ranked 1st with teammates Sunli Chen and Junzhao Yang

- **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

- **China Team Selection Competition, Gold Award** — 2018.05
  Ranked 11th in China

- **CCF NOI Winter Camp, Gold Award** — 2017.02
  Ranked 27th in China

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)

- **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

- **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

- **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

- **Asia-Pacific Informatics Olympiad, Gold Medal** 2019.05
  Ranked 38th in China

- **National Olympiad in Informatics, Gold Medal** 2018.07
  Ranked 25th 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

- **Asia-Pacific Informatics Olympiad, Silver Medal** 2016.05
  Ranked 88th in China