

Yanru Guan

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Education

Peking University — School of Electronic Engineering & Computer Science (EECS) <i>B.Sc. Computer Science & Technology · Turing Class · GPA: 3.913 / 4.000 (Rank 4 / 147)</i>	Aug 2023 – Jun 2027 (exp.) Beijing, China
Carnegie Mellon University — School of Computer Science <i>Exchange Student · GPA: 4.0 / 4.0 · Dean's List with High Honors</i>	Jan 2026 – May 2026 Pittsburgh, PA
No. 2 High School of East China Normal University <i>High School · Distinguished Graduation (top 10 / 400)</i>	Aug 2020 – Jun 2023 Shanghai, China

Publications & Manuscripts

- [1] [Yanru Guan](#), Naveen Raman and Fei Fang. *Human Decision-Making with AI Assistance under Correlated Features*. [arXiv:2606.20628]
Accepted by **Human-AI Complementarity Workshop: Dynamic Alignment**
- [2] [Yanru Guan](#), Jiahao Zhang, Zhe Feng and Tao Lin. *On the Coordination of Value-Maximizing Bidders*. **ICML 2026**. [arXiv:2511.04993]
Also accepted by **2026 Marketplace Innovation Workshop**
- [3] Ningyuan Li*, [Yanru Guan](#)*, Xiaotie Deng, Zihe Wang and Jie Zhang. *Selling Data as a Digital Good with Scaling Valuations*. **ICML 2026**.
Also accepted by **ICLR 2026 Workshop AIMS**. [openreview]
- [4] Xiaotie Deng, [Yanru Guan](#), Ningyuan Li, Zihe Wang and Jie Zhang (alphabetical). *Ex-Ante Truthful Distribution-Reporting Mechanisms*. **WINE 2025** (Conference on Web and Internet Economics), Rutgers U., 2025. [arXiv:2507.04030]

Research Experience

DaGAME Lab, Peking University — Research Intern <i>Advisor: Prof. Xiaotie Deng</i>	Oct 2023 – Present
Carnegie Mellon University (CMU) — Research Intern <i>Advisor: Prof. Fei Fang</i>	Jan 2026 – May 2026
Microsoft Research Asia (MSRA) — Research Intern <i>Mentor: Dr. Yuhui Yuan</i>	Dec 2024 – Mar 2025

Invited Talks

City University of Hong Kong CS Colloquiums – <i>Auctions Under Uncertainty: Strategic Distribution Reporting and Data Markets</i>	Aug 2026
Harvard University EconCS Seminar – <i>Ex-Ante Truthful Distribution-Reporting Mechanisms</i>	May 2026
Northwestern University CS Theory Seminar – <i>Ex-Ante Truthful Distribution-Reporting Mechanisms</i>	Mar 2026
Carnegie Mellon University EconCS Seminar – <i>Ex-Ante Truthful Distribution-Reporting Mechanisms</i>	Feb 2026
WINE 2025, Rutgers University – <i>Improved Budget-Feasible Mechanisms for Submodular Valuations</i>	Dec 2025
China IOI 2026 Training Camp – <i>Personal growth journey & reflections</i>	Dec 2025
Asia-Pacific Informatics Olympiad (APIO) 2024 – <i>Probability Theory and Probabilistic Methods</i>	May 2024

Teaching & Professional Services

Teaching Assistant, CMU 15-451: Algorithm Design and Analysis (Prof. Yang Liu & Richard Peng)	Jan – May 2026
Trainer & Guest Commentator, ICPC North America Programming Camp (NAPC) + ICPC Live	Mar 2026
Teaching Assistant, PKU 04831760: C/C++ Programming Practice (Honor Track) (Prof. Shaofeng Jiang)	Feb – Jun 2025
External Coach, Shandong Provincial Informatics Olympiad Training Camp	2023 – 2024
Author, “Women are equally outstanding as men”, CCF NOI 40th Anniversary Commemorative Collection (pp. 226–228)	Mar – Jun 2024
Contributor, <i>Informatics Olympiad Dictionary</i> (official guidebook, China Computer Federation)	2022 – 2023
Conference Reviewer: WINE 2026, AIMS @ ICLR 2026, FOCS 2024	

Honors & Awards

Research Awards

- **HuanYu Information Quest Award**, EECS, Peking University
 Highest Honor for Undergraduate Research Innovation, School of EECS
 Selected as one of only two recipients from the Class of 2027, alongside 4 recipients predominantly from the Class of 2026
Dec 2025
- Rising Star in Computer Science Research, School of CS, Peking University
Nov 2025
- Outstanding Student, Center on Frontiers of Computing Studies (CFCS)
Dec 2024

Scholarships & Awards

- Dean’s List with High Honors in the School of Computer Science, Carnegie Mellon University
May 2026
- **May 4th Scholarship** (highest-level university scholarship, Peking University)
Dec 2025
- Merit Student, Peking University
Dec 2025
- **National Scholarship** (highest honor for undergraduates in China, top 0.5%)
Dec 2024
- Merit Student, Peking University
Dec 2024
- Freshman Scholarship & Dean’s Freshman Scholarship, EECS, Peking University
Sep 2023

Competitive Programming (Selected)

- **Silver Medal, 5th Place**, The 2025 ICPC World Finals
Sep 2025
- First Prize, UBIQuant Peking University Programming Contes
May 2025
- Gold Medal, The 2024 ICPC East-Asia Continent Final Contest
Dec 2024
- Second Place, The 2024 ICPC Asia Kunming Regional Contes
Dec 2024
- Champion, The 2024 ICPC Asia Hangzhou Regional Contest
Nov 2024
- Second Place, 2024 China Collegiate Programming Contest, Jinan Site
Oct 2024
- Champion, TuSimple National Invitational College Programming Contest
May 2024
- Gold Medal, The 9th China Collegiate Programming Contest (CCPC) Final Contest
Mar 2024
- Gold Medal, The 2023 ICPC East-Asia Continent Final Contest
Jan 2024
- Champion, The 2023 ICPC Asia Jinan Regional Contest
Dec 2023
- Champion, 2023 China Collegiate Programming Contest (Shenzhen)
Nov 2023
- Champion, TuSimple National Invitational College Programming Contest
Apr 2023
- **Gold Medal, Best Female Player**, National Olympiad in Informatics (NOI)
Aug 2022

Technical Skills

- **Programming:** C++ (expert, 10+ years), Python, Matlab, Haskell, Agda, OCaml, $\LaTeX$
- **Languages:** Chinese (native), English (TOEFL 113/120, Speaking 29)