

YAN DAI

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🏠 diamond-duke.github.io

EDUCATION

INSTITUTE FOR INTERDISCIPLINARY INFORMATION SCIENCES,
Tsinghua University, Beijing, China

Sept. 2020 – Present

Computer Science and Technology (Special Pilot Class in CS, **a.k.a.** Yao Class).
GPA: 3.99/4.00; Selected course grades listed below.

DEPARTMENT OF MATHEMATICS SCIENCES,
Tsinghua University, Beijing, China

Sept. 2021 – Present

Mathematics and Applied Mathematics (Minor).

PUBLICATIONS

(* stands for equal contribution. Listed in reverse chronological order.)

Manuscripts

- [4] YAN DAI, RUOSONG WANG, and SIMON S. DU. “Variance-Aware Sparse Linear Bandits.” *In submission*. [PDF]
- [3] JIATAI HUANG*, YAN DAI*, and LONGBO HUANG. “Scale-Free Adversarial Multi-Armed Bandit with Arbitrary Feedback Delays.” *In submission*. [PDF]

Conference Papers

- [2] (**NeurIPS 2022**) YAN DAI, HAIPENG LUO, and LIYU CHEN. “Follow-the-Perturbed-Leader for Adversarial Markov Decision Processes with Bandit Feedback.” To appear in *Advances in Neural Information Processing Systems 36* (NeurIPS), 2022. [PDF]
- [1] (**ICML 2022**) JIATAI HUANG*, YAN DAI*, and LONGBO HUANG. “Adaptive Best-of-Both-Worlds Algorithm for Heavy-Tailed Multi-Armed Bandits.” In *Proceedings of the 39th International Conference on Machine Learning* (ICML), PMLR 162:9173-9200, 2022. [PDF] [Proc.]

VISITING AND INTERNSHIP

COMPUTER SCIENCE DEPARTMENT, **Stanford University** (Remote) Summer, 2022
Visiting student, co-advised by Prof. TENG YU MA (Stanford) & Prof. JASON D. LEE (Princeton).

COMPUTER SCIENCE DEPARTMENT, **University of Southern California** (Remote) Spring – Fall, 2022
Visiting student, advised by Prof. HAIPENG LUO.

PAUL G. ALLEN SCHOOL, **University of Washington** (Remote) Winter, 2022
Visiting student, advised by Prof. SIMON S. DU.

IIIS, **Tsinghua University** (Beijing) Summer – Fall, 2021
Research assistant, hosted by Prof. LONGBO HUANG.

SELECTED AWARDS

- National Scholarship (*top scholarship in China; 0.2% domestically*), Ministry of Education 2022
- SenseTime Scholarship (*awarded to 30 undergrads domestically*), SenseTime Group Inc. 2022
- 12-9 Scholarship (*top scholarship in Tsinghua; 1 student per department*), Tsinghua University 2021
- Gold Medal (*5th place*), Chinese National Olympiad in Informatics (NOI) 2018
- 2nd Place, National Collegiate Water Polo Championships 2021

SELECTED COURSE GRADES

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|---------------------------------|----|------------------------------------|----|
| • Linear Algebra | A+ | • Causal and Statistical Learning | A+ |
| • Theory of Computation | A+ | • Game Theory | A+ |
| • Formal Languages and Automata | A+ | • Introduction to Computer Science | A+ |
| • Advanced Computer Graphics | A+ | • Computer Architecture | A+ |

ACADEMIC SERVICES

Conference Reviewing: AISTATS 2022, NeurIPS 2022, AISTATS 2023, ALT 2023