YAN DAI

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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.

VISITING AND INTERNSHIP

Stanford AI Lab, STANFORD UNIVERSITY (Remote)   Summer, 2022

Visiting student, co-advised by Prof. TENGYU MA (Stanford) & Prof. JASON D. LEE (Princeton).

Computer Science, 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.

PUBLICATIONS

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

Manuscripts

[4] JIATAI HUANG*, YAN DAI*, and LONGBO HUANG. "Banker Online Mirror Descent: A Universal Approach for Delayed Online Bandit Learning." *In submission*.

Conference Publications

[3] **(ICLR 2023)** YAN DAI, RUOSONG WANG, and SIMON S. DU. "Variance-Aware Sparse Linear Bandits." Accepted to *the Eleventh International Conference on Learning Representations* (ICLR), 2023. [PDF]

[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.]

SELECTED AWARDS

- National Scholarship *(top scholarship in China; 0.2% domestically)*, Ministry of Education   2022
- SenseTime Scholarship *(awarded to 30 undergrads domestically)*, SenseTime.   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

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