Yan Dai / DAI Yan

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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.

Department of Mathematics Sciences,
Tsinghua University, Beijing, China — Sept. 2021 – Present

Mathematics and Applied Mathematics (Minor).

Visiting and Internship

Computer Science Department, University of Southern California (Remote) — Spring, 2022

Visiting student, advised by Prof. Haipeng Luo.

Paul G. Allen School of CSE, University of Washington (Remote) — Winter, 2022

Visiting student, advised by Prof. Simon S. Du.

Institute for Interdisciplinary Information Sciences, Tsinghua (Beijing) — Summer, 2021

Research assistant, hosted by Prof. Longbo Huang.

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 2022). [PDF] [Proc.]

Selected Awards

- 12·9 Scholarship *(awarded to only 1 sophomore 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+**
- Theory of Computation — **A+**
- Formal Languages and Automata — **A+**
- Advanced Computer Graphics — **A+**
- Causal and Statistical Learning — **A+**
- Game Theory — **A+**
- Introduction to Computer Science — **A+**
- Computer Architecture — **A+**

Services

Conference Reviewing: AISTATS 2022, NeurIPS 2022, AISTATS 2023