

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. TENGJU 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 of Computer Science & Engineering,

UNIVERSITY OF WASHINGTON (Remote)

Winter, 2022

Visiting student, advised by Prof. SIMON S. DU.

Institute for Interdisciplinary Information Sciences,

TSINGHUA UNIVERSITY (Beijing)

Summer – Fall, 2021

Research assistant, hosted by Prof. LONGBO HUANG.

SELECTED AWARDS

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| • National Scholarship (<i>top scholarship in China; 0.2% domestically</i>), Ministry of Education | 2022 |
| • SenseTime Scholarship (<i>awarded to 30 undergrads domestically</i>), SenseTime Group Inc. | 2022 |
| • 12-9 Scholarship (<i>top scholarship in Tsinghua; 1 student per department</i>), Tsinghua University | 2021 |
| • Gold Medal (<i>5th place</i>), 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