

YAN DAI / DAI YAN

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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).

VISITING, AND INTERNSHIP

Computer Science Department, UNIVERSITY OF SOUTHERN CALIFORNIA (Remote)

Spring, 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, China)

Summer & Fall, 2021

Research assistant, hosted by Prof. LONGBO HUANG.

PUBLICATIONS

(* stands for equal contribution.)

Manuscripts

- **Follow-the-Perturbed-Leader for Adversarial Markov Decision Processes with Bandit Feedback** [PDF]
YAN DAI, HAIPENG LUO, and LIYU CHEN. *In submission*.
- **Variance-Aware Sparse Linear Bandits** [PDF]
YAN DAI, RUOSONG WANG, and SIMON S. DU. *In submission*.
- **Scale-Free Adversarial Multi-Armed Bandit with Arbitrary Feedback Delays** [PDF]
JIATAI HUANG*, YAN DAI*, and LONGBO HUANG. *In submission*.

Conference Papers

- [ICML 2022] **Adaptive Best-of-Both-Worlds Algorithm for Heavy-Tailed Multi-Armed Bandits** [PDF]
JIATAI HUANG*, YAN DAI*, and LONGBO HUANG.
Short presentation at *Thirty-ninth International Conference on Machine Learning*.

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

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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+ |

SERVICES

Conference Reviewing: AISTATS 2022, NeurIPS 2022, AISTATS 2023