YAN DAI

✉ yan-dai20@mails.tsinghua.edu.cn   ⌂ 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.

EXPERIENCE

LIDS, MASSACHUSETTS INSTITUTE OF TECHNOLOGY (Cambridge, MA, USA)   Spring, 2023
Visiting student, hosted by Prof. SUVRIT SRA.

Computer Science Department, UNIVERSITY OF SOUTHERN CALIFORNIA   Spring – Fall, 2022
Remote visitor, advised by Prof. HAIPENG LUO.

Paul G. Allen School, UNIVERSITY OF WASHINGTON   Winter, 2022
Remote visitor, 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. Listed in reverse chronological order.)

[5] **(ICML 2023)** YAN DAI, HAIPENG LUO, CHEN-YU WEI, and JULIAN ZIMMERT. "Refined Regret for Adversarial MDPs with Linear Function Approximation." Accpeted to *the 40th International Conference on Machine Learning* (ICML), 2023. [PDF]

[4] **(ICML 2023)** JIATAI HUANG*, YAN DAI*, and LONGBO HUANG. "Banker Online Mirror Descent: A Universal Approach for Delayed Online Bandit Learning." Accpeted to *the 40th International Conference on Machine Learning* (ICML), 2023. [PDF]

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

[2] **(NeurIPS 2022)** YAN DAI, HAIPENG LUO, and LIYU CHEN. "Follow-the-Perturbed-Leader for Adversarial Markov Decision Processes with Bandit Feedback." In *Advances in Neural Information Processing Systems 35* (NeurIPS), 2022. [PDF] [OpenReview] [Proceeding]

[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] [Proceeding]

SELECTED AWARDS

Scholarship

- National Scholarship *(top scholarship in China; 0.2% domestically)*, Ministry of Education   2022
- SenseTime AI Scholarship *(30 undergrads domestically)*, SenseTime.   2022
- 12·9 Scholarship *(top scholarship in Tsinghua; 1 student per department)*, Tsinghua University   2021

Competitive Programming

- Gold Medal *(1st place with perfect score)*, Asia-Pacific Informatics Olympiad (APIO)   2019
- Gold Medal *(5th place)*, Chinese National Olympiad in Informatics (NOI)   2018

Miscellaneous

- 2nd Place, National Collegiate Water Polo Championships   2021
- 1st Place in Men's 100m Butterfly @ Tsinghua Swimming Competition   2022
- 1st Place in MIT Intramurals Water Polo League (IM League)   2023

ACADEMIC SERVICES

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

Selected Course Grades

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