YIHAN DU

duyh18@mails.tsinghua.edu.cn ◇ https://yihandu.github.io

EDUCATION

Tsinghua University   *September 2018 - present*
Institute for Interdisciplinary Information Sciences (IIIS)   Ph.D. student
Advisor: Prof. Longbo Huang
Research interests: online learning, bandit theory

Xiamen University   *September 2014 - June 2018*
B.E. in Computer Science   Rank: 3/93

INTERNSHIP

Theory Group, Microsoft Research Asia (MSRA)   *January 2020 - May 2020*
Mentor: Dr. Wei Chen

PUBLICATIONS

Yihan Du, Siwei Wang, Zhixuan Fang, Longbo Huang, "Continuous Mean-Covariance Bandits," Proceedings of the Conference on Neural Information Processing Systems (NeurIPS), 2021.

Yihan Du, Yuko Kuroki, Wei Chen, "Combinatorial Pure Exploration with Bottleneck Reward Function," Proceedings of the Conference on Neural Information Processing Systems (NeurIPS), 2021.

Yihan Du, Siwei Wang, Longbo Huang, "A One-Size-Fits-All Solution to Conservative Bandit Problems," Proceedings of the AAAI Conference on Artificial Intelligence (AAAI), 2021.

Yihan Du*, Yuko Kuroki*, Wei Chen, "Combinatorial Pure Exploration with Full-Bandit or Partial Linear Feedback," Proceedings of the AAAI Conference on Artificial Intelligence (AAAI), 2021 (*equal contribution).

($*\alpha$-β ordering) Wei Chen, **Yihan Du**, Longbo Huang, Haoyu Zhao, "Combinatorial Pure Exploration for Dueling Bandit," International Conference on Machine Learning (ICML), 2020.

Yihan Du, Siwei Wang and Longbo Huang, "Dueling Bandits: From Two-dueling to Multi-dueling," Proceedings of the International Conference on Autonomous Agents and Multiagent Systems (AAMAS), 2020.

Yihan Du, Yan Yan, Si Chen and Yang Hua, "Object-adaptive LSTM network for Real-time Visual Tracking with Adversarial Data Augmentation," Neurocomputing, 2019.

Yihan Du, Yan Yan, Si Chen, Yang Hua and Hanzi Wang, "Object-Adaptive LSTM Network for Visual Tracking," International Conference on Pattern Recognition (ICPR), 2018.

ACTIVITIES/ACADEMIC SERVICE

Reviewer
ICLR 2022, NeurIPS 2021, ICML 2021

Invited Talk/Presentation
China Computer Federation (CCF) Doctoral Forum in Theoretical Computer Science   *June 2021*
(Invited talk. Only 18 Ph.D. students in theoretical computer science are invited nationwide)
NeurIPS 2021, AAAI 2021, ICML 2020, AAMAS 2020

Teaching Assistant

Stochastic Network Optimization, graduate course (IIIS, Tsinghua University)   *Spring 2021*

Introduction to Computer Science, undergraduate course (Yao Class and Zhi Class)   *Fall 2019*

Social Activity

President of Graduate Union in IIIS, Tsinghua University   *June 2020 - June 2021*

AWARDS/SCHOLARSHIPS

Toyota Scholarship in Tsinghua University	*October 2021*
Wuqing Talent Scholarship in Tsinghua University	*October 2020*
Huawei Academic Excellence Scholarship in Tsinghua University	*October 2020*
Outstanding Graduate in Xiamen University	*June 2018*
Academic Excellence Scholarship in Xiamen University	*October 2017, 2015*
Chen Chang International Scolarship in Xiamen University	*April 2016*
Dean's List in EECS, Xiamen University	*October 2016 - 2018*