

Runzhe Wu — Curriculum Vitae

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EDUCATION

Cornell University

Ph.D. Student in Computer Science, advised by Prof. Wen Sun

Ithaca, NY, USA

Aug. 2022 - Present

Shanghai Jiao Tong University

B.E. in Computer Science (ACM Honors Class)

Graduated with Highest Honor

Shanghai, China

Sep. 2018 - Jun. 2022

RESEARCH INTERESTS

Reinforcement Learning, Bandits, Active Learning, Online Learning, Machine Learning.

RESEARCH EXPERIENCE

Northwestern University

Research Intern

Evanston, IL, USA

Feb. 2021 - Feb. 2022

- Advised by Prof. Zhaoran Wang and Prof. Zhuoran Yang, researching reinforcement learning theory, with an emphasis on offline reinforcement learning.

Shanghai Jiao Tong University

Undergraduate Researcher

Shanghai, China

Aug. 2020 - Jun. 2021

- Advised by Prof. Weinan Zhang and Prof. Yong Yu, researching multi-agent reinforcement learning, with an emphasis on population-based methods.

PREPRINTS & PUBLICATIONS

- **Making RL with Preference-based Feedback Efficient via Randomization (paper)**
Runzhe Wu, Wen Sun
ICLR, 2024
- **Contextual Bandits and Imitation Learning via Preference-Based Active Queries (paper)**
(alphabetical order) Ayush Sekhari, Karthik Sridharan, Wen Sun, Runzhe Wu
NeurIPS, 2023
- **Selective Sampling and Imitation Learning via Online Regression (paper)**
(alphabetical order) Ayush Sekhari, Karthik Sridharan, Wen Sun, Runzhe Wu
NeurIPS, 2023
- **The Benefits of Being Distributional: Small-Loss Bounds for Reinforcement Learning (paper)**
Kaiwen Wang, Kevin Zhou, Runzhe Wu, Nathan Kallus, Wen Sun
NeurIPS, 2023
- **Distributional Offline Policy Evaluation with Predictive Error Guarantees (paper)**
Runzhe Wu, Masatoshi Uehara, Wen Sun
ICML, 2023
- **MALib: A Parallel Framework for Population-based Multi-agent Reinforcement Learning (paper)**
Ming Zhou, Ziyu Wan, Hanjing Wang, Muning Wen, Runzhe Wu, Ying Wen, Yaodong Yang, Weinan Zhang, Jun Wang

JMLR, 2023

- **Offline Constrained Multi-Objective Reinforcement Learning via Pessimistic Dual Value Iteration (paper)**

Runzhe Wu, Yufeng Zhang, Zhuoran Yang, Zhaoran Wang

NeurIPS, 2021

AWARDS & ACHIEVEMENTS

Programming Contest Awards

- Gold Medal of the 2019 ICPC China Nanchang National Invitational Programming Contest
- Gold Medal of the 2018 ICPC Asia Hanoi Regional Programming Contest
- Gold Medal of the 2018 ICPC Asia Xuzhou Regional Programming Contest
- Gold Medal of the 2018 CCPC Qinhuangdao Regional Programming Contest
- Silver Medal of the 34th China National Olympiad in Informatics

Scholarships and Honors

- Outstanding Graduate of Shanghai 2022
- Huawei Scholarship 2020
- Rong Chang Scholarship 2019 & 2021
- Zhiyuan Honorary Scholarship 2018 - 2020

TEACHING EXPERIENCE

CS 4789: Introduction to Reinforcement Learning

Teaching Assistant

Cornell University

Jan. 2023 - May. 2023

CS 4700: Foundations of Artificial Intelligence

Teaching Assistant

Cornell University

Aug. 2022 - Dec. 2022

CS 147: Data Structure

Teaching Assistant

Shanghai Jiao Tong University

Feb. 2022 - Jun. 2022

CS 151: Programming

Teaching Assistant

Shanghai Jiao Tong University

Sep. 2019 - Jan. 2020 & Sep. 2021 - Jan. 2022

VOLUNTEERING & SERVICE

- **Reviewer** of ICML 2023, NeurIPS 2023, ICLR 2024
- **Mentor** of Cornell CS PhD Mentor program 2023
- **Co-organizer** of the 2021 ACM-Class Student Academic Festival Jun. 2021
- **Co-organizer** of the 2021 ACM-Class Student Sports Festival Apr. 2021 - May. 2021
- **President** of ACM Honors Class, Shanghai Jiao Tong University Sep. 2020 - Jun. 2022

SKILLS

Language Chinese(native), English(fluent)

Programming Python, C/C++, L^AT_EX

(Last Update: January 23, 2024)