

## EDUCATION

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### Shanghai Jiao Tong University

Ph.D. Student in Computer Science and Engineering

– Advisor: Prof. Shuai Li.

Shanghai, China

Sept. 2021 - present

### Shandong University

B.Eng. in Software Engineering

Jinan, Shandong Province, China

Sept. 2017 - Jun. 2021

### Henan Experimental High School

High School Student

Zhengzhou, Henan Province, China

Sept. 2014 - Jun. 2017

## RESEARCH INTERESTS

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### Reinforcement Learning

I currently focus on the theory of reinforcement learning.

- Bandits.
- Provable reinforcement learning algorithms.

### Applications

I am also interested in some applications of reinforcement learning such as recommender system.

## PUBLICATIONS AND PREPRINTS

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- [1] C. Chen, **C. Zhao**, and S. Li, “Simultaneously learning stochastic and adversarial bandits under the position-based model”, in *AAAI 2022*, AAAI Press, 2022.
- [2] **C. Zhao**, T. Yu, Z. Xie, and S. Li, “Knowledge-aware conversational preference elicitation with bandit feedback”, in *WWW ’22: The Web Conference 2022*, ACM, 2022.
- [3] **C. Zhao**, Y. Ze, J. Dong, B. Wang, and S. Li, “Differentially private temporal difference learning with stochastic nonconvex-strongly-concave optimization”, *CoRR*, vol. abs/2201.10447, 2022. arXiv: 2201.10447.
- [4] K. Wang, **C. Zhao**, S. Li, and S. Shao, “Conservative contextual combinatorial cascading bandit”, *CoRR*, vol. abs/2104.08615, 2021. arXiv: 2104.08615.
- [5] J. Wu\*, C. Zhao\*, T. Yu, J. Li, and S. Li, “Clustering of conversational bandits for user preference learning and elicitation”, in *CIKM ’21: The 30th ACM International Conference on Information and Knowledge Management, Virtual Event, Queensland, Australia, November 1 - 5, 2021*, G. Demartini, G. Zuccon, J. S. Culpepper, Z. Huang, and H. Tong, Eds., ACM, 2021, pp. 2129–2139.
- [6] Z. Xie, T. Yu, **C. Zhao**, and S. Li, “Comparison-based conversational recommender system with relative bandit feedback”, in *SIGIR ’21: The 44th International ACM SIGIR Conference on Research and Development in Information Retrieval, Virtual Event, Canada, July 11-15, 2021*, ACM, 2021, pp. 1400–1409.

where \* indicates equal contribution.

## CONTESTS

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- Kaggle Santa 2020 - The Candy Cane Contest - Silver Medal (Top 6%) Jan. 2021
- The 2019 ACM-ICPC Asia Regional Contest - Bronze Medal Oct. 2019
- The 2019 ACM-ICPC China Shandong Provincial Programming Contest - Silver Medal May. 2019
- China Undergraduate Mathematical Contest in Modeling - Second Prize in Shandong Province Sept. 2018

## HONORS

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- Weichai Power Scholarship in Shandong University Oct. 2019
- Shandong University Academic Scholarship - Second-class Sept. 2019
- Shandong University Research and Innovation Scholarship - Second-class Sept. 2019
- Shandong University Academic Scholarship - First-class Sept. 2018
- Shandong University Research and Innovation Scholarship - Second-class Sept. 2018
- Shandong University Triple-A Student Sept. 2018
- Huawei Scholarship in Shandong University Oct. 2018