# Qian Lin

: linq67@mail2.sysu.edu.cn
: github.com/qianlin04


## Education

Sun Yat-sen University — Guangzhou, China
M.S. in Computer Science — 2022–2024(expected)
Supervisor: Prof. Chao Yu
Research Interest: reinforcement learning under offline, constraint or multi-objective setting

Sun Yat-sen University — Guangzhou, China
B.S. in Computer Science, GPA: 3.9/4.0 — 2018–2022

## Publications

1. Zifan Wu, Bo Tang*, **Qian Lin***, Chao Yu, Shangqin Mao, Qianlong Xie, Xingxing Wang, Dong Wang, "Off-Policy Primal-Dual Safe Reinforcement Learning", *Proceedings of the 12th International Conference on Learning Representations (ICLR 2024)* (* equal contribution)
2. **Qian Lin**, Chao Yu, Zifan Wu, Zongkai Liu, "Policy-regularized Offline Multi-objective Reinforcement Learning", *Proceedings of the 23st International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2024)*
3. Shenghong He, Chao Yu, **Qian Lin**, Shangqin Mao, Bo Tang, Qianlong Xie, Xingxing Wang, "Hierarchical Multi-agent Meta-Reinforcement Learning for Cross-channel Bidding", *Under review*
4. **Qian Lin**, Bo Tang*, Zifan Wu*, Chao Yu, Shangqin Mao, Qianlong Xie, Xingxing Wang, Dong Wang, "Safe Offline Reinforcement Learning with Real-Time Budget Constraints", *Proceedings of the 40th International Conference on Machine Learning, (ICML 2023)* (* equal contribution)
5. **Qian Lin**, Yu Chao, Wu XiaWei, Dong YinZhao, XuXin, ZhangQiang, Guo Xian, "Sim-to-real Transfer Reinforcement Learning in Robot Systems: A Survey" (in Chinese), *Journal of Software, China (ISSN 1000-9825)*

## Scholarships and Awards

- Xiaomi Scholarship — 2023
- First Prize of Sun Yat-sen University Graduate Scholarship and Grant — 2022–2024
- $1^{st}$ place at the RoboMaster Sim2Real Challenge (2022 IEEE Conference on Games) — 2022
- Outstanding Student Scholarship of Sun Yat-sen University — 2019–2021

## Experience

Meituan Inc. — Beijing, China
Research intern in Advertising Algorithm Research Group — 2022-2023

- Application of safe RL and offline RL in the auto-bidding advertising system of the biggest local delivery services company in China
- Modeled the Meituan advertising bidding problem from the perspective of safe RL, and addressed it through trajectory optimization and the application of the diffusion generative model

## Volunteering & Mentoring

- Member of the Duxing Volunteer Service Team — 2019–Current
  *Conducted animal rescue activities including helping stray cats and dogs*