

Li Jiang

1001 Sherbrooke St. W

Montréal, Canada

✉ li.jiang3@mail.mcgill.ca

🌐 louieworth.github.io

🔗 [eBZftYAAAAJ&hl](https://github.com/eBZftYAAAAJ&hl)

Education

- 2023– **Desautels Faculty of Management, McGill University, Montréal, Canada**
Ph.D. in Operation Management
Advisors: Prof. Yichuan Ding and Xue Liu
- 2020–2023 **Tsinghua-Berkeley Shenzhen Institute, Tsinghua University, Beijing, China**
M.S in Management Science and Engineering
Thesis: Offline Reinforcement Learning with In-Sample Paradigm
Advisors: Prof. Xianyuan Zhan and Prof. Wai Kin (Victor) Chan
- 2014–2018 **Southwest University of Sci. & Tech., Sichuan, China**
B.E in Civil Engineering

Research Experiences

- 2022.8–2023.1 **CMU, Pittsburgh, Visiting Student**
Worked on safety in offline reinforcement learning with Prof. Ding Zhao.
- 2022.6–2022.8 **Stanford University, Palo Alto, Student Research Fellow**
Worked on AI safety and alignment.
- 2021.6–2022.6 **Tsinghua University, Beijing, Research Intern**
Worked on offline reinforcement learning and 5G MMIMO optimization with Prof. Xianyuan Zhan.
- 2021.1–2022.4 **Microsoft Research Asia, Beijing, Research Intern**
Worked on reinforcement learning for the molecular generation with Prof. Jiang Bian.

Publications and Pre-Prints

Conference Publications (* indicates Equal Contribution)

1. **Offline RL with No OOD Actions: Offline RL with Implicit Value Regularization** [Paper]
H. Xu, **L. Jiang**, J. Li, Z. Yang, Z. Wang, V.W.K Chan, X. Zhan
International Conference on Learning Representations (ICLR), 2023 (Notable Top 5%). (Acceptance rate: 5.0%)
2. **A Policy-Guided Imitation Approach for Offline Reinforcement Learning** [Paper]
H. Xu*, **L. Jiang***, J. Li, X. Zhan
Neural Information Processing Systems (NeurIPS), 2022 (Oral < 2%).
3. **An Efficient Multi-Agent Optimization Approach for Coordinated Massive MIMO Beamforming**
L. Jiang, X. Wang, A. Yang, X. Wang, X. Jin, Y. Ouyang and X. Zhan
IEEE International Conference on Communications (ICC), 2023.

4. **A Deep Learning Framework for Traffic Data Imputation Considering Spatiotemporal Dependencies** [\[Paper\]](#)
L. Jiang, T. Zhang, Q. Zuo, C. Tian, V.W.K Chan
IEEE 7th International Conference on Intelligent Transportation Engineering (ICITE), 2022 (Oral).

Journal Publications

5. **Curriculum Goal-conditioned Imitation for Offline Reinforcement Learning** [\[Paper\]](#)
L. Jiang*, X. Feng*, X. Yu, H. Xu, X. Sun, X. Zhan, V.W.K Chan
IEEE Transactions on Games (ToG), 2022.

Pre-Prints

6. **Offline Reinforcement Learning with Imbalanced Dataset** [\[Paper\]](#)
L. Jiang, S. Cheng, J. Qiu, H. Xu, V.W.K Chan, D. Zhao
Data-centric Machine Learning Research Workshop, ICML 2023.
7. **MoReDrop: Dropout without Dropping**
L. Jiang*, D. Li*, Y. Ding, V.W.K Chan
Under review at Neural Information Processing Systems (NeurIPS), 2024.
8. **Hummer: Towards Limited Competitive Preference Dataset**
L. Jiang*, Y. Wu*, J. Xiong, J. Ruan, Y. Ding, Q. Guo, Z. Wen, J. Zhou, X. Deng
[\[ArXiv\]](#)
Under review at Conference on Language Models (COLM), 2024 (top 20% in all submissions).

Awards and Fellowships

- 2023 Shenzhen Universiade International Scholarship Foundation (CAD \$11,000). [\[Detail\]](#)
- 2023 Excellent Graduate Student at Tsinghua University (2%).
- 2022 Stanford Summer Research Fellowship (CAD \$10,169). [\[Detail\]](#)
- 2022 Tsinghua University Second-class Scholarship (CAD \$2,000, 5%).
- 2018 Scholarship of China Scholarship Council (CAD \$3,000, among 30 recipients in China.)

Invited Talks and Presentations

- Feb. 2023 **Offline RL with Implicit Value Regularization**, CMU Safe AI Lab , Host: Prof. Ding Zhao.
- Nov. 2022 **A Policy-Guided Imitation Approach for Offline RL**, The 4th TBSI Workshop on Learning Theory (TBSIWOLT'22), hosted by Prof. Yang Li.
- Aug. 2022 **A Policy-Guided Imitation Approach for Offline RL**, RL China.

Professional Service

Teaching Assistant

- 2023 Fall MGCR 372, Operation Management
- 2024 Fall MGCR 372, Operation Management

Conference and Journal Reviewing

Reviewer for ICLR (2024), NeurIPS (2022-2023), ICML (2023)

(Latest updated on June 16, 2024)