

Yiwen (Evie) Qiu

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Education

Department of Philosophy, Carnegie Mellon University

Aug 2023 -

Department of Automation, Tsinghua University, Beijing, China

Aug 2019 - Jul 2023

➤ Major GPA: 3.86/4.0 Ranking: Top 15% in 160+ students (Top 3 in Female Students)

➤ **Core Courses:**

Causality and Machine Learning, Convex Optimization, Operations Research, Pattern Recognition and Machine Learning, Big Data and Machine Intelligence, Foundation of Artificial Intelligence, Automatic Control Theory, Computer Principles and Applications, Signals and System Analysis, C++ and its applications

➤ **Honors and Awards:**

Scholarship for overall excellence (15/160, **highest scholarship for comprehensive performance**) Oct.2021 &22

Person of the Year in Department of Automation (10 in 500+) Dec.2021

Excellent Youth League member, Tsinghua University (15/105, awarded for *leadership* in teamwork) Oct.2020

Weichai Scholarship, for academic excellence and excellent social work Oct.2020

Research Interests

- Causality: Causal Fairness, Causal Reasoning, Causal RL & Causal IL
- Mathematical Control Theory

Publications

- **Y. Qiu**, Y. Zheng, K. Zhang, "Identifying Selections for Unsupervised Subtask Discovery", Conference on Neural Information Processing Systems (NeurIPS), 2024. [arxiv](#)
- Zheng, Yujia, Zeyu Tang, Yiwen Qiu, Bernhard Schölkopf, and Kun Zhang. "Detecting and Identifying Selection Structure in Sequential Data.", *International Conference on Machine Learning (ICML)*, 2024. [arxiv](#)
- Y. Wang, **Y. Qiu**, M. Sader, D. Huang and C. Shang, "Data-Driven Predictive Control Using Closed-Loop Data: An Instrumental Variable Approach," in IEEE Control Systems Letters, 2023. [link](#)
- **Yiwen Qiu**, Jialong Wu, Zhangjie Cao, Mingsheng Long, "Out-of-Dynamics Imitation Learning from Multimodal Demonstrations", *accepted by Conference on Robot Learning (CoRL)*, 2022 [OpenReview](#) [arxiv](#)
- Haoyi Niu, Shubham Sharma, **Yiwen Qiu**, Ming Li, Guyue Zhou, Jianming Hu, Xianyuan Zhan, "When to Trust Your Simulator: Dynamics-Aware Hybrid Offline-and-Online Reinforcement Learning", *accepted by Neural Information Processing Systems (NeurIPS)*, 2022, *Spotlight*. [arxiv](#)

Reviewer Services

- Neural Information Processing Systems (NeurIPS).
- International Conference on Machine Learning (ICML).
- International Conference on Learning Representations (ICLR).
- International Conference on Artificial Intelligence and Statistics (AISTATS).

Activities

Student Union, Department of Automation, Tsinghua University | Vice Minister

Aug 2020-Aug 2021

Association of Warmth & Love | Operation Center

Oct 2019-Oct 2020

Name: Yiwen Qiu

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- Joined badminton team, competed in John Ma Cup competitions of female doubles and mixed-doubles.
- Joined karate team, competed in John Ma Cup competition and got top-8 awards in individual and team events.