Yiwen (Evie) Qiu

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Education

PhD in Computer Science, ISTA, Klosterneuburg, Austria Sep 2025 - Present
ELLIS Program; Co-supervised by Francesco Locatello and Bernhard Schölkopf

MS in Logic, Computation and Methodology, CMU, Pittsburgh, PA, USA Aug 2023 - May 2025
Supervised by Kun Zhang, Peter Spirtes and Clark Glymour

- Major GPA: 3.91/4.0

BS in Engineering, Department of Automation, Tsinghua University, China Aug 2019 - Jul 2023

- Major GPA: 3.86/4.0 Ranking: Top 15% in 160+ students
- **Relevant Coursework:**

  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:**

Tsinghua Excellent Graduate (15% in all graduates)	May 2023
Sense Time Scholarship (30 in China for AI research)	Dec 2022
Scholarship for overall excellence (15/160, **highest for comprehensive performance**)	Oct 2021 & 22
Person of the Year in Department of Automation (10 in 500+)	Dec 2021
Excellent Youth League member, Tsinghua (15/105, awarded for leadership in teamwork)	Oct 2020
Weichai Scholarship for academic excellence and excellent social work	Oct 2020

Research Interests

- Causality: Causal Discovery, Causal Inference
- Control Theory & Dynamical Systems

Publications

- **Yiwen Qiu**, Filip Kovačević, Shimeng Huang, Peter Spirtes, Francesco Locatello, "Towards a holistic understanding of Selection Bias for Causal Effect Identification", *International Conference on Machine Learning (ICML)*, 2026. arxiv
- Haoyue Dai, **Yiwen Qiu**, Ignavier Ng, Xinshuai Dong, Peter Spirtes, Kun Zhang, "Latent variable causal discovery under selection bias", *International Conference on Machine Learning (ICML)*, 2025.arxiv
- **Yiwen Qiu,** Yujia Zheng, and Kun 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**
- Wang, Yibo, **Yiwen Qiu,** Malika Sader, Dexian Huang, and Chao 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

Student Union, Department of Automation | P.E. Apartment, member Oct 2019-Oct 2021

- 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.

Skills

Programming and Coding

- Programming Languages: C/C++, MATLAB, Python. Quick to learn new languages and APIs.

Standard English Tests

- GRE: **332** | Verbal -162 Quantitative -170 Analytical Writing - 4.0
- TOEFL: **110** | Reading – 29 Listening – 30 Speaking - 23 Writing - 28