

Yuxiao Qu

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Education

Carnegie Mellon University

Master of Science in Machine Learning

Advisor: Prof. Aviral Kumar

Aug 2023 - Present

Pittsburgh, PA

University of Wisconsin - Madison

Bachelor of Science in Computer Science and Mathematics

Avisor: Prof. Josiah P. Hanna

Sep 2020 – Dec 2022

Madison, WI

The Chinese University of Hong Kong

Major: Computer Science

Sep 2017 – May 2020

Hong Kong

Publications

1. Recursive Introspection: Teaching Language Model Agents How to Self-Improve

Yuxiao Qu, Tianjun Zhang, Naman Garg, Aviral Kumar

The Thirty-Eighth Annual Conference on Neural Information Processing Systems (NeurIPS), 2024

2. Guided Data Augmentation for Offline Reinforcement Learning and Imitation Learning

Nicholas E. Corrado, Yuxiao Qu, John U. Balis, Adam Labiosa, Josiah P. Hanna

The first Reinforcement Learning Conference (RLC), 2024

3. FLEE-GNN: A Federated Learning System for Edge-Enhanced Graph Neural Network in Analyzing Geospatial Resilience of Multicommodity Food Flows

Yuxiao Qu, Jinmeng Rao, Song Gao, Qianheng Zhang, Wei-Lun Chao, Yu Su, Michelle Miller, Alfonso Morales, Patrick Huber

ACM SIGSPATIAL International Workshop on AI for Geographic Knowledge Discovery, 2023

4. Simulation-Acquired Latent Action Spaces for Dynamics Generalization

Nicholas Corrado, Yuxiao Qu, Josiah P. Hanna

Proceedings of Machine Learning Research (PMLR), 2022

5. Polite or Direct? Conversation Design of a Smart Display for Older Adults Based on Politeness Theory

Yaxin Hu, Yuxiao Qu, Adam Maus, Bilge Mutlu

ACM CHI Conference on Human Factors in Computing Systems (CHI), 2022

6. TreeNet: Deep Point Cloud Embedding for Routing Tree Construction

Wei Li, Yuxiao Qu, Gengjie Chen, Yuzhe Ma, Bei Yu

ACM Asian and South Pacific Design Automation Conference (ASPDAC), 2021 (Best Paper Award)

Teaching Experience

Undergraduate Teaching Assistant

University of Wisconsin – Madison

□ COMP SCI 577: Introduction to Algorithms (Honor Session)

Fall 2022

□ COMP SCI 537: Introduction to Operating Systems

Fall 2022

Work Experience

Morgridge Institute for Research
Research Software Engineer

Apr 2023 – Aug 2023
Madison, WI