Yuxiao Qu

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Education

Carnegie Mellon University   Aug 2023 - Present
Master of Science in Machine Learning   Pittsburgh, PA
Advisor: Prof. Aviral Kumar

University of Wisconsin - Madison   Sep 2020 – Dec 2022
Bachelor of Science in Computer Science and Mathematics   Madison, WI
Avisor: Prof. Josiah P. Hanna

The Chinese University of Hong Kong   Sep 2017 – May 2020
Major: Computer Science   Hong Kong

Publications

1. **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

2. **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

3. **Simulation-Acquired Latent Action Spaces for Dynamics Generalization**
   Nicholas Corrado, **Yuxiao Qu**, Josiah P. Hanna
   Proceedings of Machine Learning Research (PMLR), 2022

4. **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

5. **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   Apr 2023 – Aug 2023
Research Software Engineer   Madison, WI