

Biography



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Assistant Professor
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Portland State University
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□ Education

- **Ph.D.**, University of Central Florida, 2022
- **M.E.**, University of Science and Technology of China, 2015
- **B.E.**, University of Science and Technology of China, 2011

□ Awards

- **NSF CRII Award**, 2024
- **Wedge Award for Excellence in Graduate Advising and Mentoring**, Portland State University, 2024
- **Best Paper Candidate Award**, IEEE ICDM 2021

□ Organizers

- **Registration Chair**, IEEE BigData 2024
- **Finance Chair**, IEEE ICKG 2024
- **Co-organizer of Workshops on Data-centric AI** (jointly with ICDM 2023, BigData 2023, BigData 2024, CIKM 2024)

Research Interests



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General Interests: Data-centric AI (DCAI), Reinforcement Learning (RL), and Large Language Models (LLMs)

□ Data-centric AI

- **Philosophy** : Improving the data, not the model.
- **Preliminary work:** **Automated Feature Selection** (*KDD 2019, ICDM 2020, 2021, SDM 2021, IJCAI 2022, TKDE*2, KAIS*1*); **Automated Feature Generation** (*KDD 2022, ICDM 2023, IJCAI 2024, SDM 2024*).
- **Future work:** **Data Generation; Nosily Label Improvement.**

□ Reinforcement Learning

- **Philosophy:** Learning from feedback.
- **Preliminary work:** RL for DCAI, **RL for Urban Computing** (*IJCAI 2024, AAAI 2021, KDD 2020, TKDE*1, TSAS*1, KAIS*1*), **RL for Online Education** (*TIST*1*), **RL for Health** (*SIGSPATIAL 2021, ICDM 2023*), **RL for Reasoning** (*The WebConf 2023*).
- **Future work:** **Offline RL; Domain-specific RL applications.**

□ Large Language Models

- **Philosophy:** Taking advantage of textual information.
- **Preliminary work:** **Data-Efficient LLM** (*ACL 2024*).
- **Future work:** **LLM for DCAI; LLM Thought Structures; Retrieval-Augmented Generation; Domain-specific LLM applications.**