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City: Hefei, China

Research interests	AI for Social Good / AI for Science Data mining / Information retrieval, especially in spatio-temporal field. XAI especially in recommendation field / Causal Discovery from ML perspective.	
Education	Hong Kong University of Science and Technology (GZ) Ph.D. in System Hub Mentors: Professor Yuxuan Liang	Nansha, China 08, 2023 – 06, 2026 (expected)
	Ocean University of China M.S. in School of Information Science and Engineering Mentors: Professors Yanwei Yu , Yongguo Jiang GPA: 87/100. Rank: top-10%	Qingdao, China 08, 2020 – 06, 2023
	Jinggangshan University B.E. in Computer Science and Technology Mentors: Professors Lingyu Sun, Ming Leng GPA: 82/100. Rank: top-10%	Jian, China 09, 2016 – 06, 2020
Honors and scholarships	Postgraduate Scholarship - (HKUST-GZ) Outstanding Graduate Student Award - (Shandong Province) - top-2% National Scholarship - (Ministry of Education of China) - top-1% Outstanding Graduate Student Award - (Jinggangshan University) - top-5% National Inspirational Scholarship - (Ministry of Education of China) - top-1%	2023 2023 2022 2020 2018
Research Project	National Natural Science Foundation of China (grant Nos. 62176243) Main Participant • Project name: Representation Learning for Large-Scale Complex Spatiotemporal Data and Its Applications • Responsibility: Discuss with the professor and write part of the application. As the actual author, I undertake research on three main sub-topics of the fund project.	08, 2021 – Present
	Graduate Academic Foundation of the Ocean University of China Principal Investigator • Project name: Research and Application of General Representation of Large-Scale Trajectory Data Based via Self-Supervised Learning • Responsibility: Conduct a detailed investigation on the latest work such as pre-training of spatio-temporal data and self-supervised learning, and independently write an application. As the PI, I undertake two main topics.	01, 2022 – 12, 2022
Publications	Note: <i>Italic gray</i> = mentees I supervised. * = Co-first author. † = Co-supervision. Mutual Distillation Learning Network for Trajectory-User Linking <u>Wei Chen</u> , Shuzhe Li, Chao Huang, Yanwei Yu, Yongguo Jiang, Junyu Dong	

International Joint Conference on Artificial Intelligence, 2022. (CCF-A Oral)

Self-Supervised Contrastive Representation Learning for Large-Scale Trajectories

*Shuzhe Li**, Wei Chen*, Bingqi Yan, Zhen Li, Shunzhi Zhu, Yanwei Yu
Future Generation Computer Systems Journal, 2023. (SCI-I, CCF-C)

iML4C: Supervised Causal Discovery from Interventional Data

Wei Chen, Rui Ding, Yang Zhang, Qiang Fu, Han Shi, Dongmei Zhang
Upcoming.

Trajectory User Linking via Hierarchical Spatio Temporal Attention Networks

Wei Chen, Chao Huang, Yanwei Yu, Yongguo Jiang, Junyu Dong
Minor Revision of TKDD, 2022. (CCF-B)

MCN4Rec: Multi-Level Collaborative Neural Network for Next Location Recommendation

*Shuzhe Li**, Wei Chen*, Bin Wang, Chao Huang, Yanwei Yu
Under Review of TOIS, 2023. (CCF-A)

Industry experience

Microsoft Research Asia

Beijing, China

Data, Knowledge Intelligence Group & Research Intern

09, 2022 - 08, 2023

- Research on Supervised Causal Discovery(A New Frontier of Causal Discovery). Different from using only observational data, we go further and try to support imperfect interventions and unknown intervention targets.
- Investigate the relevant research of causal discovery to build a causal learning toolkit.
- Assist in developing the Python version of the AutoInsight project for Microsoft Excel.

iFLYTEK CO.LTD.

Hefei, China

Speech Translation Group of AI Lab & Research Intern

05, 2022 - 09, 2022

- Implementing Multilingual MT-Models in Real World Machine Translation Systems, serving millions of people and achieving significant online improvement.
- Follow up the latest progress in the field of data enhancement, apply it to real business systems, and share it at iFLYTEK Academic Weekly.
- Received return offer (as top 10% interns).

Teaching experience

Teaching assistant, Ocean University of China.

Fall 2021

Discrete Mathematics

Assist the teacher in explaining the course content and correcting homework.

- Rating: student rating - excellent, faculty rating - excellent.

Service

SubReviewer of KDD, AAAI.

2023

SubReviewer of KDD, AAAI, WSDM, SDM, IEEE Transactions on Cybernetics.

2022

SubReviewer of KDD, WWW, AAAI, WSDM, SDM, ACM TITS.

2021

SubReviewer of WWW, SDM

2020

Skills

Programming

Proficient in: Python, C++, C, Shell script, JavaScript, C# (ranked by proficiency).

NOIP - Second Prize (Anhui) / ACM-CCPC - Bronze Award (Qingdao).

Tools and Frameworks

Pytorch, Scikit-learn, Tensorflow, Fair-Seq, Latex, Git.

Languages

Mandarin (Native), English (Proficient).

Other interests

Love sports and explore new and interesting things.