

HONGJUN WANG

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EDUCATION

The University of Tokyo , Tokyo, Japan	10/2023 – present
PhD in Information Science and Technology (IST), Supervisor Yinqiang Zheng	
Southern University of Science and Technology , Shenzhen, China	09/2020 – 06/2023
Master in Computer Science, Supervisor Xuan Song	
Nanjing University of Posts and Telecommunications , Nanjing, China	09/2015 – 07/2019
B.S. in Information and Computing Science, Supervisor Tingting Wu	

EXPERIENCE

Microsoft Research Asia	Beijing, China
Research Intern in Data, Knowledge, and Intelligence, Supervisor Lun Du	07/2022 – 02/2023
The Chinese University of Hong Kong	Hong Kong, China
Research Assistant in Mathematical Artificial Intelligence, Supervisor Tiejong Zeng	06/2023 – 09/2023

PUBLICATIONS

- **Hongjun Wang**, Jiyuan Chen, Zipei Fan, Zhiwen Zhang, Zekun Cai, Xuan Song, “ST-ExpertNet: A Deep Expert Framework for Traffic Prediction,” in **TKDE’2022**, [PDF]
- Zhiwen Zhang, **Hongjun Wang**, Zipei Fan, Jiyuan Chen, Xuan Song, Ryosuke Shibasaki, “Route to Time and Time to Route: Travel Time Estimation from Sparse Trajectories,” in **PKDD’22**, [PDF]
- **Hongjun Wang**, Jiyuan Chen, Tong Pan, Zipei Fan, Boyuan Zhang, Renhe Jiang, Xuan Song, “Easy Begun is Half Done: Spatial-Temporal Graph Modeling with ST-Curriculum Dropout,” in **AAAI’23 (Oral)**, [PDF]
- Zhiwen Zhang, **Hongjun Wang**, Zipei Fan, Jiyuan Chen, Xuan Song, Ryosuke Shibasaki, “GOF-TTE: Generative Online Federated Learning Framework for Travel Time Estimation,” in **IOT-J’22**, [PDF]
- Lingyu Zhang, Xu Geng, Zhiwei Qin, **Hongjun Wang**, Xuan Song, Yunhai Wang, “Multi-modal graph interaction for multi-graph convolution network in urban spatiotemporal forecasting,” in **Sustainability’2022**, [PDF]
- **Hongjun Wang**, Zhiwen Zhang, Zipei Fan, Jiyuan Chen, Xuan Song, Ryosuke Shibasaki, “Multi task Weakly Supervised Learning for Origin–Destination Travel Time Estimation,” in **TKDE’2022**, [PDF]
- **Hongjun Wang**, Zipei Fan, Jiyuan Chen, Lingyu Zhang, Xuan Song, “Discovering Key Sub-trajectories To Explain the Traffic Prediction,” in **Sensors’2022**, [PDF]
- Zhiwen Zhang, **Hongjun Wang**, Zipei Fan, Xuan Song, and Ryosuke Shibasaki, “Missing Road Condition Imputation Using a Multi view Heterogeneous Graph Network from GPS Trajectory,” in **TITS’2022**, [PDF]
- Zezheng Feng, Yifan Jiang, **Hongjun Wang**, Zipei Fan, Yuxin Ma, Shuang-Hua Yang, Huamin Qu, and Xuan Song, “TrafPS: A Shapley-based Visual Analytics Approach to Interpret Traffic,” in **CVMJ’2023**, (To appear)
- **Hongjun Wang**, Jiyuan Chen, Lun Du, Qiang Fu, Xuan Song, “Causal-Based Supervision of Attention in Graph Neural Network: A Better and Simpler Choice towards Powerful Attention,” in **IJCAI’2023** [PDF]
- Zhang Zhiwen, **Hongjun Wang**, Zipei Fan, Ryosuke Shibasaki, Xuan Song, “Assessing the Continuous Causal Responses of Typhoon-related Weather on Human Mobility: An Empirical Study in Japan,” in **CIKM’2023** [PDF]
- **Hongjun Wang**, Jiyuan Chen, Lun Du, Qiang Fu, Xuan Song, “Causal-Based Supervision of Attention in Graph Neural Network: A Better and Simpler Choice towards Powerful Attention,” in **IJCAI’2023** [PDF]

COMMUNITY SERVICES

- Program Committee Member for ECML/PKDD 2021, 2022
- Reviewer for IEEE Transactions on Knowledge and Data Engineering (TKDE)
- Subreviewer for AAAI/IJCAI 2022, 2023