

CURRICULUM VITAE

Personal Particulars

Name in English : SHEN, Jiaxing
Name in Chinese, if applicable : 沈家星
Position held in Organization : Assistant Professor
Department : Department of Computing and Decision Sciences
Office Address : Room 212/6, 2/F, Simon and Eleanor Kwok Building
8 Castle Peak Road, Tuen Mun, Hong Kong
Tel No : (852) 2616 8377
E-mail Address : jiaxingshen@LN.edu.hk
Web Page : <https://shenjiaxing.github.io>

Academic/Professional Qualifications (in chronological order)

BEng (2010-2014) Software Engineering, Jilin University, China
PhD (2014-2019) Computing, The Hong Kong Polytechnic University, HK SAR, China (Supervisor: [Prof. Jiannong Cao](#))
PhD Exchange (2017-2018) Media Lab, Massachusetts Institute of Technology, US (Supervisor: [Prof. Alex ‘Sandy’ Pentland](#))

Working Experience

09/2022 - Present Assistant Professor, Department of Computing and Decision Sciences, Lingnan University, Hong Kong
03/2020 - 08/2022 Research Assistant Professor, Department of Computing, The Hong Kong Polytechnic University, Hong Kong
03/2019 - 02/2020 Joint Postdoctoral Fellow, Sociotechnical Systems Research Center, MIT, US and Department of Computing, The Hong Kong Polytechnic University, Hong Kong

Awards

1. **Best Paper Award** of *IEEE International Conferences on Ubiquitous Intelligence & Computing, Advanced and Trusted Computing, Scalable Computing and Communications, Cloud and Big Data Computing, Internet of People, and Smart World Congress*, 2016.
2. **Best Paper Award** of *IEEE International Conference on Computer Communications* (INFOCOM, CCF-A), 2020.

Publications

Section A

1. [CCF-A] Zheng Wang, Yanwen Wang, Mi Tian, and **Jiaxing Shen***. “HearFire: Indoor Fire Detection via Inaudible Acoustic Sensing”. *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies* (IMWUT), 2023.
2. [CCF-B] Yandi Lun, Hao Miao, **Jiaxing Shen**, Renzhi Wang, Xiang Wang, and Senzhang Wang. “Resisting TUL Attack: Balancing Data Privacy and Utility on Trajectory via Collaborative Adversarial Learning”. *GeoInformatica*, 2023.
3. [CCF-A] Hao Miao*, **Jiaxing Shen***, Jiannong Cao, Jiangnan Xia, and Senzhang Wang. “MBA-STNet: Bayes-enhanced Discriminative Multi-task Learning for Flow Prediction”. *IEEE Transactions on Knowledge and Data Engineering* (TKDE), 2022.
4. [CCF-A] **Jiaxing Shen**, Jiannong Cao, Oren Lederman, Shaojie Tang, and Alex “Sandy” Pentland. “User Profiling Based on Nonlinguistic Audio Data”. *ACM Transactions on Information Systems* (TOIS), 2021.
5. [CCF-A] **Jiaxing Shen**, Jiannong Cao, and Xuefeng Liu. Bag: “Behavior-aware Group Detection in Crowded Urban Spaces Using WiFi Probes”. *IEEE Transactions on Mobile Computing* (TMC), 2020.

Section B

1. [CCF-A] Fuliang Li, Chenyang Hei, **Jiaxing Shen**, Qing Li, and Xingwei Wang. “Human-Intent-Driven Cellular Configuration Generation Using Program Synthesis”. *IEEE Journal on Selected Areas in Communications* (JSAC), 2023.
2. [CCF-A] Haihong Zhao, Bo Yang, Jiaxu Cui, Qianli Xing, **Jiaxing Shen**, Fujin Zhu, and Jiannong Cao. Effective Fault Scenario Identification for Communication Networks via Knowledge-Enhanced Graph Neural Networks. *IEEE Transactions on Mobile Computing* (TMC), 2023.
3. [CCF-A] Yanwen Wang, **Jiaxing Shen**, and Yuanqing Zheng. “Push the Limit of Acoustic Gesture Recognition”. *IEEE Conference on Computer Communications* (INFOCOM), 2020. (Best Paper Award)
4. [CCF-A] **Jiaxing Shen**, Jiannong Cao, and Xuefeng Liu. “BaG: Behavior-aware Group Detection in Crowded Urban Spaces using WiFi Probes”. *The World Wide Web Conference* (WWW), 2019.
5. [CCF-B] **Jiaxing Shen**, Oren Lederman, Jiannong Cao, Florian Berg, Shaojie Tang, and Alex Pentland. “GINA: Group Gender Identification Using Privacy-Sensitive Audio Data”. *IEEE International Conference on Data Mining* (ICDM), 2018.

* Co-first authors or the corresponding author