

CHU CAO

RESEARCH FELLOW

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Education

Nanyang Technological University

PH.D. IN COMPUTER SCIENCE AND ENGINEERING

School of Computer Science and Engineering

Singapore

Jan. 2015 - Sept. 2019

Xi'an Jiaotong University

B.E. IN AUTOMATION SCIENCE AND TECHNOLOGY

School of the Electronic and Information Engineering

Xi'an, China

Aug. 2010 - Aug. 2014

Publication

Predicting the Impact of Disruptions to Urban Rail Transit Systems

XIAOYUN MO, **CHU CAO**, MO LI, AND DAVID Z.W. WANG

- ACM Transactions on Sensor Networks

Journal Paper

Accepted Feb. 2022

Generating Mobility Trajectories with Retained Data Utility

CHU CAO, AND MO LI

- ACM International Conference on Knowledge Discovery and Data Mining (KDD'21)

Singapore (Virtual Event)

Aug. 14-18, 2021

Predicting the Impact of Disruptions to Urban Rail Transit Systems

XIAOYUN MO, **CHU CAO**, MO LI, AND DAVID Z.W. WANG

- IEEE International Conference on Data Engineering (ICDE'21)

Chania, Greece (Virtual Event)

Apr. 19-21, 2021

Amateur: Augmented Reality Based Vehicle Navigation System

CHU CAO, ZHENJIANG LI, PENGFEI ZHOU, AND MO LI

- ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp'19)
- The Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT)

London, UK

Sept. 11-13, 2019

Walkway Discovery from Large Scale Crowdsensing

CHU CAO, ZHIDAN LIU, MO LI, WENQIANG WANG, AND ZHENG QIN

- ACM/IEEE International Conference on Information Processing in Sensor Network (IPSN'18)

Porto, Portugal

Apr. 11-13, 2018

Demo: Walkway Discovery from Large Scale Crowdsensing

CHU CAO, ZHIDAN LIU, MO LI, WENQIANG WANG, AND ZHENG QIN

- ACM/IEEE International Conference on Information Processing in Sensor Network (IPSN'18)

Porto, Portugal

Apr. 11-13, 2018

Research Interest

My research interests include smart city and mobile computing, with a focus on transportation systems.

Employment History

Nanyang Technological University

RESEARCH FELLOW (POSDOC)

Under the supervision of Prof. Mo Li, School of Computer Science and Engineering.

Singapore

Sept. 2019 - Present

Nanyang Technological University

PROJECT OFFICER

Under the supervision of Prof. Mo Li, School of Computer Science and Engineering.

Singapore

Sept. 2014 - Dec. 2014

Teaching Experience

Course SC1003-CE1103-CZ1103: Introduction to Computational Thinking and Programming

LECTURER, NANYANG TECHNOLOGICAL UNIVERSITY

Singapore

2021 - 2022

Course CZ3006: Net Centric Computing

TEACHING ASSISTANT, NANYANG TECHNOLOGICAL UNIVERSITY

Singapore

2016 - 2019

Honors & Awards

2015-2019 **Full Ph.D. Scholarship**, Provided by Ministry of Education (MOE), Singapore

Singapore

2018 **CPSWeek 2018 Travel Grant**, Provided by ACM SIGBED

Porto, Portugal

2014 **Outstanding Graduate Student Leader**, Provided by Xi'an Jiaotong University

Xi'an, China

2013 **Siyuan Scholarship**, Provided by Xi'an Jiaotong University

Xi'an, China

2012 **Suzhou Industrial Scholarship**, Provided by Suzhou Industrial Park

Xi'an, China

2011 **Siyuan Scholarship**, Provided by Xi'an Jiaotong University

Xi'an, China

Professional Service

2022 **PC Member**, IEEE International Conference on Smart City (SmartCity)

2022 **PC Member**, International Conference on Parallel and Distributed Systems (ICPADS)

2022 **Reviewer**, Knowledge Discovery and Data Mining (SIGKDD)

2021 **Reviewer**, IEEE Transactions on Wireless Communications (TWC)

2020-Now **Review Editor**, Frontiers in Communications and Networks (IoT and Sensor Network section)

2018-Now **Reviewer**, IEEE Transactions on Mobile Computing (TMC)

2018 **Web and IT Support Chair**, IEEE International Conference on Parallel and Distributed Systems (ICPADS)