

STEVE WEIPENG ZHUO

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EDUCATION

The Hong Kong University of Science and Technology

Sept. 2017 – Present

Ph.D. in Computer Science and Engineering

Advisor: Prof. Shueng-Han Gary Chan

The Hong Kong University of Science and Technology

Sept. 2011 – Aug. 2013

Master of Philosophy in Computer Science and Engineering

Advisor: Prof. Shueng-Han Gary Chan

Princeton University

Nov. 2012 – Feb. 2013

Visiting Scholar in Electrical Engineering

Advisor: Prof. Mung Chiang

The Hong Kong University of Science and Technology

Sept. 2007 – Aug. 2011

BSc (Double Major) in Computer Science and Applied Mathematics

First Class Honors

PUBLICATIONS

1. FIS-ONE: Floor Identification System with One Label for Crowdsourced RF Signals
Weipeng Zhuo, Ka Ho Chiu, Jierun Chen, Ziqi Zhao, S.-H. Gary Chan, Sangtae Ha, Chul-Ho Lee
IEEE International Conference on Distributed Computing Systems (ICDCS), 2023
2. Run, Don't Walk: Chasing Higher FLOPS for Faster Neural Networks
Jierun Chen, Shiu-hong Kao, Hao He, **Weipeng Zhuo**, Song Wen, Chul-Ho Lee, S.-H. Gary Chan
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023
3. Semi-supervised Learning with Network Embedding on Ambient RF Signals for Geofencing Services
Weipeng Zhuo, Ka Ho Chiu, Jierun Chen, Jiajie Tan, Edmund Sumpena, Sangtae Ha, S.-H. Gary Chan, Chul-Ho Lee
IEEE International Conference on Data Engineering (ICDE), 2023
4. TVConv: Efficient Translation Variant Convolution for Layout-Aware Visual Processing
Jierun Chen, Tianlang He, **Weipeng Zhuo**, Li Ma, Sangtae Ha, S.-H. Gary Chan
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2022
5. GRAFICS: Graph Embedding-based Floor Identification Using Crowdsourced RF Signals
Weipeng Zhuo, Ziqi Zhao, Ka Ho Chiu, Shiju Li, Sangtae Ha, Chul-Ho Lee, S.-H. Gary Chan
IEEE International Conference on Distributed Computing Systems (ICDCS), 2022
6. Tackling Multipath and Biased Training Data for IMU-assisted BLE Proximity Detection
Tianlang He, Jiajie Tan, **Weipeng Zhuo**, Maximilian Printz, S-H Gary Chan
IEEE International Conference on Computer Communications (INFOCOM), 2022
7. IoT Geofencing for COVID-19 Home Quarantine Enforcement
Jiajie Tan, Edmund Sumpena, **Weipeng Zhuo**, Ziqi Zhao, Mengyun Liu, S-H Gary Chan
IEEE Internet of Things Magazine, 2022
8. Error Modeling and Estimation Fusion for Indoor Localization
Weipeng Zhuo, Bo Zhang, S-H Gary Chan, Edward Y Chang
IEEE International Conference on Multimedia and Expo (ICME), 2012

SELECTED AWARDS

- Hong Kong Ph.D. Fellowship Scheme, 2017 – 2021
- Postgraduate Scholarship, HKUST, 2011 – 2013
- Research Travel Grant, HKUST, 2012
- Hong Kong ICT Bronze Award, 2012
- First Class Honors, HKUST, 2011

WORKING EXPERIENCE

Shantou University, Guangdong <i>Part-time Lecturer, Android Programming.</i> <i>Advisor: Prof. Chengdian Zhang</i>	<i>Mar. 2016 – May 2017</i>
Shantou Sunshine Network, Guangdong <i>Tech. Lead, responsible for website development.</i>	<i>Nov. 2015 – May 2017</i>
Pipe of Insight (Online Education), Hong Kong <i>Early Founder, responsible for Android application development.</i> <i>The startup raised angel round funding and series A financing.</i>	<i>Sept. 2013 – May 2015</i>
Microsoft, Shanghai <i>Program Manager Intern.</i>	<i>Jun. 2011 – Aug. 2011</i>

TEACHING ASSISTANT

- COMP 5622: Advanced Computer Communications and Networking
- COMP 4911/6613D/ENTR4911: IT Entrepreneurship
- COMP 4021: Internet Computing
- COMP 2012: Object-Oriented Programming and Data Structures

SKILLS

Programming	Python, Android, C++, C#, JavaScript
Tools	PyTorch, Unix, LaTeX, Git
Languages	Mandarin (native), English (proficient), Cantonese (proficient)