

# STEVE WEIPENG ZHUO

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## EDUCATION

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**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

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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, 2020
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

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- 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

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<b>Shantou University, Guangdong</b> <i>Part-time Lecturer, Android Programming.</i> <i>Advisor: Prof. Chengdian Zhang</i>	<i>Spring 2017</i>
<b>Shantou Sunshine Network, Guangdong</b> <i>Tech. Lead, responsible for website development.</i>	<i>Nov. 2015 – May 2017</i>
<b>Pipe of Insight (Online Education), Hong Kong</b> <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>
<b>Microsoft, Shanghai</b> <i>Program Manager Intern.</i>	<i>Jun. 2011 – Aug. 2011</i>

## TEACHING ASSISTANT

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- 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

## ACADEMIC SERVICES

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**Reviewer:** KDD 2023, SDM 2023, MobiHoc 2022 – 2023, INFOCOM 2018 – 2023, MobiCom 2022, ICDM 2022, IoTJ 2022

## SKILLS

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