

# Huanle ZHANG

## PERSONAL INFORMATION

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## EDUCATION

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*Current*    Doctorate Degree in Computer and Information Sciences  
SEP 2016    **University of California, Davis, CA**  
Supervisor: Prof. Prasant MOHAPATRA

JUNE 2014    Master Degree in Communication and Information System  
SEP 2011    **University of Electronic Science and Technology of China**  
(3 years)    Thesis: "Research on Heterogeneous Femtocell Networks"  
Supervisor: Prof. Jian LIU

JUNE 2011    Bachelor Degree in Communication Engineering  
SEP 2007    **Hangzhou Dianzi University, China**  
(4 years)    Thesis: "Research on Pitch Detection of Voice Signals based on SHR Algorithm"  
Supervisor: Prof. Na YING

## WORK EXPERIENCE

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JUNE 2018    Spring Intern  
MAR 2018    **Microsoft Research Asia, China**  
(12 weeks)    Supervisor: Dr. Yunxin LIU

SEP 2017    Summer Intern  
JULY 2017    **Simula Research Laboratory, Norway**  
(2 months)    Supervisor: Dr. Ahmed ELMOKASHFI  
Developed wireless transmission solutions for AV/VR systems that require very high throughput and low latency. Became familiar with Linux kernel programming, multipath TCP and WiFi driver source code.

JUNE 2016    Project Officer (Research Assistant)  
AUG 2014    **Nanyang Technological University, Singapore**  
(2 years)    Supervisor: Prof. Mo LI  
Conducted research on mobile applications and systems, such as localization, mobile sensing, and data analysis. Became familiar with sensor networks and data dissemination.

## KEY SKILLS

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Machine Learning	Python: TensorFlow, Sciki-Learn
Data Analysis	Python, Matlab
Linux Kernel Programing	C, Shell Scripts, Linux Utilities
Android Development	Java: Android Studio

## ACHIEVEMENTS

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- 2015 Best Paper Award, ACM Conference on Embedded Networked Sensor Systems (ACM SenSys)
- 2014 Excellent Thesis Award for Master's Degree of UESTC
- 2013 National Scholarship for Postgraduate/Graduate Students (China)
- 2010 Interdisciplinary Contest in Modeling: Honorable Mention

## PUBLICATIONS

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- TMC'17 An Acoustic-based Encounter Profiling System  
*Huanle Zhang, Wan Du, Pengfei Zhou, Mo Li and Prasant Mohapatra*
- TON'17 Pando: Fountain-Enabled Fast Data Dissemination with Constructive Interference  
*Wan Du, Jansen Christian Liando, Huanle Zhang and Mo Li*
- MobiCom'16 DopEnc: Acoustic-based Encounter Profiling Using Smartphones  
*Huanle Zhang, Wan Du, Pengfei Zhou, Mo Li and Prasant Mohapatra*
- SenSys'15 When Pipelines Meet Fountain: Fast Data Dissemination in Wireless Sensor Network  
*Wan Du, Jansen Christian Liando, Huanle Zhang and Mo Li*
- IJCS'14 Analysis of Accessing to the Nearest and to the Strongest Base Station in Femtocell Networks  
*Huanle Zhang, Jian Liu and Haili Shi*
- Globecom'13 Analysis of Femtocell Coverage Fraction and Isolated Probability Using Stochastic Geometry  
*Huanle Zhang, Jian Liu, Yupeng Jia and Yulu Ma*
- AISS'13 OFDMA Femtocell Gateway Scheduling Based on Coloring  
*Huanle Zhang, Jian Liu, Yu Fu and Niangeng Guo*
- CCT'13 Optimal Transmission Distance of Mean Progress and Mean Transport in Device-to-device Networks  
*Huanle Zhang, Yu Fu and Jian Liu*
- MINES'13 A Tractable Framework for Power Consumption in Femtocell Networks  
*Huanle Zhang, Jian Liu and Niangeng Guo*
- SEIS'13 Policy on Downlink Access of Femtocell Based on OFDMA in Dense Employment Residential Environment  
*Huanle Zhang and Jian Liu*