

ZHEHUI (KELSEY) ZHANG

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Webpage: <https://zhehuizhang.github.io/>

EDUCATION

University of California, Los Angeles

September 2016 - Present

Ph.D. (Supervisor: **Prof. Songwu Lu**), Computer Science (GPA: 3.9/4.0)

Research interests: networked systems, mobile computing, and network/system security

Shanghai Jiao Tong University

September 2012 - June 2016

B.S., Computer Science & Technology (Major GPA: 3.9/4.0)

WORKING EXPERIENCE

University of California, Los Angeles

July 2016 - Present

Graduate Research Assistant at Wireless Networking Group

- Designed a device side cellular analytics tool for cross-layer network diagnosis
- Investigated radio latency for VR/AR applications and co-designed a low latency solution under LTE
- Co-developed MobileInsight, an extensible cellular network monitoring and analysis tool
- Built a modem log extractor based on MediaTek chipsets, supporting LTE control plane protocols

AT&T Labs

June 2018 - August 2018

Student Technician II at Networking and Service Quality Management Team

- Integrated an edge cloud based VR system and a remote server based 360 video streaming system
- Examined how radio configurations impact VR latency on a LTE-integrated edge cloud testbed
- Reduced end-to-end latency by 57% with field-of-view prediction and GPU acceleration

Ohio State University

June 2017 - August 2017

Visiting Scholar at Mobile System, Security and Networking Lab

- Studied LTE network accessibility, mobility, integrity and availability KPIs quantitatively
- Implemented 10+ run-time network statistics visualization tools for smartphones including physical bandwidth, LTE/UMTS/WCDMA protocol state transitions, and VoLTE call flow monitoring

Intel Corporation, Shanghai

April 2016 - July 2016

Software Engineer Intern at Big Data Team

- Co-developed Arda, a Docker based infrastructure auto-management for big data systems
- Implemented test use cases for Flink, MongoDB and load balance web services

Shanghai Jiao Tong University

July 2013 - July 2016

Research Assistant at the Research Center of Intelligent Internet of Things

- Lead a team of 20+ junior students to implement an indoor positioning system for Foxconn company
- Conducted extensive research on radio frequency based indoor localization and published three papers on flagship conferences/journals in networking and system field

PROFESSIONAL SERVICE & HONORS

Organizing Committee member at N2Women

2017

External reviewer at ACM MobiCom, IEEE INFOCOM

2015-2018

SIGMETRICS'18, SECON'16 Student Travel Grant

2016, 2018

Chun-Tsung Scholar (only 13 in SJTU, funded by Nobel Prize Winner T. D. Lee)

2014