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RESEARCH INTERESTS
Wireless System and Networking (Next-generation wireless networks)
Mobile Computing (Wireless Sensing)

EDUCATION

The University of Texas at Austin (UT Austin), Austin, TX, United States
Ph.D. Student, Computer Science, Advised by Prof. Lili Qiu, Jun 2020 – Present

University of California, San Diego (UCSD), La Jolla, CA, United States
Master of Science, Electrical Engineering, Advised by Prof. Xinyu Zhang, Sep 2018 – Mar 2020

University of Electronic Science and Technology of China (UESTC), Chengdu, P. R. China
Bachelor of Engineering, Network Engineering, Sep 2014 – Jun 2018

University of California, San Diego (UCSD), La Jolla, CA, United States
Visiting Student, Electrical Engineering, Study Abroad Program, Sep 2017 – Dec 2017

EMPLOYMENT

Research Intern, Network Analytics and Automation, AT&T Labs - Research, Summer 2022, 2023
Research Assistant, Wireless Networking and Communication Group, UT Austin, Jun 2020 – Present
Teaching Assistant, CS386W Wireless Networking, UT Austin, Aug 2020 – Dec 2021
Research Assistant, mmWave Lab, UCSD Division of CALIT2, Sep 2018 – Mar 2020
Teaching Assistant, ECE257A Modern Communication Networks, UCSD Sep 2019 – Dec 2019

PUBLICATION

[C1] Yiwen Song, **Changhan Ge**, Lili Qiu, Yin Zhang. "2ACE: Spectral Profile-driven Multi-resolutional Compressive Sensing for mmWave Channel Estimation". In Proceedings of the Twenty-fourth International Symposium on Theory, Algorithmic Foundations, and Protocol Design for Mobile Networks and Mobile Computing (ACM MobiHoc '23), 2023.

[C2] Changhan Ge, Zihui Ge, Xuan Liu, Ajay Mahimkar, Yusef Shaqalle, Yu Xiang, Shomik Pathak. "Chroma: Learning and Using Network Contexts to Reinforce Performance Improving Configurations". In Proceedings of the Twenty-ninth International Conference on Mobile Computing and Networking (ACM MobiCom '23), 2023.

[C3] Ghufran Baig, **Changhan Ge**, Lili Qiu, Yuanjie Li, Wangyang Li, Wei Sun, Jian He, Zhehui Zhang, Songwu Lu. "Extracting and Predicting Multipath Profiles under High Mobility". In Proceedings of the Twenty-third International Symposium on Theory, Algorithmic Foundations, and Protocol Design for Mobile Networks and Mobile Computing (ACM MobiHoc '22), 2022.

PREPRINT

Zhaoyuan He, Changhan Ge, Wangyang Li, Lili Qiu, Peijie Li, and Ghufran Baig. "Optimized 4K Video Multicast". Arxiv Preprint. 2023

TECHNICAL REPORT

Changhan Ge, Xiao Sai, Andrew Yoo, Zhuolun Zhou, and Xinyu Zhang, "Millimeter-wave Architectures for Automated Vehicles: An Experiment-Driven Exploration," Proprietary Report of Sony Focused Research Project, Sony Corporation, 2019.

PROFESSIONAL SKILLS

Programming: Python (Keras, Pytorch), Java, C++
Software MATLAB, Wireless Insite, Ansys System Toolkit (STK), Multisim, Blender
Language: English (Professional working proficiency), Chinese (Native proficiency)

AWARDS

NSF Student Travel Grant for MobiHoc 2023 Sep 2023
Graduate with Honors, UESTC (548/5502, 9.96%) Jun 2018
The Second Class of People's Scholarship, UESTC Sep 2015, 2016 and 2017
Student Leadership Scholarship, UESTC Sep 2016

SERVICES

TPC (Reviewer): ACM MobiCom S^3 Workshop 2023.

President Jun 2016 – Jun 2017
Student Association Union of University of Electronic Science and Technology of China