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| RESEARCH INTERESTS | Wireless System and Networking (Next-generation wireless networks) Mobile Computing (Wireless Sensing) |
| EDUCATION | <p>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</p> <p>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</p> <p>University of Electronic Science and Technology of China (UESTC), Chengdu, P. R. China Bachelor of Engineering, Network Engineering, Sep 2014 – Jun 2018</p> <p>University of California, San Diego (UCSD), La Jolla, CA, United States Visiting Student, Electrical Engineering, Study Abroad Program, Sep 2017 – Dec 2017</p> |
| EMPLOYMENT | <p>Research Intern, Network Analytics and Automation, AT&T Labs - Research, Summer 2022, 2023</p> <p>Research Assistant, Wireless Networking and Communication Group, UT Austin, Jun 2020 – Present</p> <p>Teaching Assistant, CS386W Wireless Networking, UT Austin, Aug 2020 – Dec 2021</p> <p>Research Assistant, mmWave Lab, UCSD Division of CALIT2, Sep 2018 – Mar 2020</p> <p>Teaching Assistant, ECE257A Modern Communication Networks, UCSD Sep 2019 – Dec 2019</p> |
| PUBLICATION | <p>[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.</p> <p>[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.</p> <p>[C3] Ghufraan 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.</p> |
| PREPRINT | Zhaoyuan He, Changhan Ge, Wangyang Li, Lili Qiu, Peijie Li, and Ghufraan 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 | <p>Programming: Python (Keras, Pytorch), Java, C++</p> <p>Software MATLAB, Wireless Insite, Ansys System Toolkit (STK), Multisim, Blender</p> <p>Language: English (Professional working proficiency), Chinese (Native proficiency)</p> |
| AWARDS | <p>NSF Student Travel Grant for MobiHoc 2023 Sep 2023</p> <p>Graduate with Honors, UESTC (548/5502, 9.96%) Jun 2018</p> <p>The Second Class of People’s Scholarship, UESTC Sep 2015, 2016 and 2017</p> <p>Student Leadership Scholarship, UESTC Sep 2016</p> |
| SERVICES | <p>TPC (Reviewer): ACM MobiCom S³ Workshop 2023.</p> <p>President Jun 2016 – Jun 2017</p> <p>Student Association Union of University of Electronic Science and Technology of China</p> |