

RESEARCH INTERESTS	Wireless System and Networking (Next-generation Wireless networks) Mobile Computing (Wireless Sensing)
EDUCATION	<p><b>The University of Texas at Austin</b>, Austin, TX, United States Jun 2020 – Present <b>Ph.D. Student</b> in Computer Science, Advised by Prof. Lili Qiu &amp; Prof. Sanjay Shakkottai</p> <p><b>University of California, San Diego</b>, La Jolla, CA, United States Sep 2018 – Mar 2020 <b>Master of Science</b> in Electrical Engineering, Advised by Prof. Xinyu Zhang</p> <p><b>University of Electronic Science and Technology of China</b>, Chengdu, China Sep 2014 – Jun 2018 <b>Bachelor of Engineering</b> in Network Engineering</p>
EMPLOYMENT	<p><b>Research Scientist Internship</b>, 5G Network Automation, AT&amp;T Labs - Research, Summer 2022, 2023</p> <p><b>Research Assistant</b>, Wireless Networking and Communication Group, UT Austin, Jun 2020 – Present</p> <p><b>Teaching Assistant</b>, CS386W Wireless Networking, UT Austin, Aug 2020 – Dec 2021</p> <p><b>Research Assistant</b>, mmWave Lab, UCSD Division of CALIT2, Sep 2018 – Mar 2020</p> <p><b>Teaching Assistant</b>, ECE257A Modern Communication Networks, UCSD Sep 2019 – Dec 2019</p>
PUBLICATION	<p>[C1] Zhaoyuan He, <b>Changhan Ge</b>, Wangyang Li, Lili Qiu, Peijie Li, Ghufuran Baig. "Optimized Live 4K Video Multicast Streaming on Commodity WiGig Devices". In Proceedings of the Forty-fourth International Conference on Distributed Computing Systems (IEEE ICDCS '24), 2024.</p> <p>[C2] Yiwen Song, <b>Changhan Ge</b>, 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>[C3] <b>Changhan Ge</b>, 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>[C4] Ghufuran Baig, <b>Changhan Ge</b>, 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>
TECHNICAL REPORT	<b>Changhan Ge</b> , 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.
US PATENT	[P1] Ajay Mahimkar, Shomik Pathak, Xuan Liu, Yusef Shaqalle, Zihui Ge, Yu Xiang, <b>Changhan Ge</b> , "Performance-driven Network Parameter Changes in a Communication Network", US Patent 18/090,784
PROFESSIONAL SKILLS	<p><b>Programming:</b> Python (Keras, Pytorch), Java, C++</p> <p><b>Software</b> MATLAB, Wireless Insite, Ansys System Toolkit (STK), Multisim, Blender</p> <p><b>Language:</b> English (Professional working proficiency), Chinese (Native proficiency)</p>
AWARDS	<p>NSF Student Travel Grant for MobiHoc 2023 Sep 2023</p> <p>Outstanding Graduates Award, UESTC (548/5502, 9.96%) Jun 2018</p> <p>The Second Class of the People's Scholarship, UESTC Sep 2015, 2016 and 2017</p> <p>Student Leadership Scholarship, UESTC Sep 2016</p>
SERVICES	<p>ACM MobiCom S<sup>3</sup> Workshop 2023 Technical Program Committee.</p> <p>NSDI 2025 Pre-Review Task Force.</p> <p><b>President</b> Jun 2016 – Jun 2017 Student Association Union of University of Electronic Science and Technology of China</p>