

# Chenning Li

## Graduate Student

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[[Google Scholar](#)][[Publons](#)]

## Research Interests

Low-power Wireless Networks, Wireless Sensing, Applied Machine Learning

## Education

Aug 2019 - Present

**Graduate Student** at Michigan State University

Advisor: [Dr. Yunhao Liu](#) & [Dr. Zhichao Cao](#)

Aug 2014 - July 2018

**BEng.** from Tsinghua University

Major: Aerospace Engineering & Minor: Computer Science

Overall GPA: 91/100 - Ranking: 2/68

## Conference Publications<sup>1</sup>

1. **Chenning Li**, Hanqing Guo, Shuai Tong, Xiao Zeng, Zhichao Cao, Mi Zhang, Qiben Yan, Li Xiao, Jiliang Wang, and Yunhao Liu. “NELoRa: Towards Ultra-low SNR LoRa Communication with Neural-enhanced Demodulation”, **ACM SenSys**, Coimbra, Portugal, November 15-17, 2021. Acceptance Rate: 17.9% (25 out of 139).
2. Jialuo Du, **Chenning Li**, Zhichao Cao, and Yunhao Liu. “SRPeek: Super Resolution Enabled Screen Peeking via COTS Smartphone”, **IEEE ICPADS**, Beijing, China, Dec 14-16, 2021.
3. **Chenning Li**, Zheng Liu, Yuguang Yao, Zhichao Cao, Mi Zhang, and Yunhao Liu. “Wi-Fi See It All: Generative Adversarial Network-augmented Versatile Wi-Fi Imaging”, **ACM SenSys**, Yokohama, Japan, November 16-19, 2020. Acceptance Rate: 20.2% (43 out of 213).
4. **Chenning Li**, Manni Liu, Zhichao Cao. “WiHF: Enable User Identified Gesture Recognition with WiFi”, **IEEE INFOCOM**, Toronto, Canada, July 6-9, 2020. Acceptance Rate: 19.8% (268 out of 1354).

## Journal Publications

1. **Chenning Li**, and Zhichao Cao. “LoRa Networking Techniques for Large-scale and Long-term IoT: A Down-to-top Survey”, **ACM Computing Surveys (ACM CSUR)**, to appear.
2. **Chenning Li**, Zhichao Cao, and Yunhao Liu. “Deep AI Enabled Ubiquitous Wireless Sensing: A Survey”, **ACM Computing Surveys (ACM CSUR)**, 2021.
3. **Chenning Li**, Manni Liu, and Zhichao Cao. “WiHF: Gesture and User Recognition with Wi-Fi”, **IEEE Transactions on Mobile Computing (IEEE TMC)**, 2020.

## Awards

1. **Named an Engineering Distinguished Scholar (EDS)**, MSU, 2019
2. **Outstanding Undergraduates**, Beijing & Tsinghua University, 2018
3. **Awarded the Outstanding Scholarship (equivalent to Summa Cum Laude)**, Tsinghua University, 2017

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<sup>1</sup>Acceptance rate information is obtained from program chair’s message in conference proceedings and author’s notification email sent by program chair(s).

4. **Awarded the Comprehensive Scholarship, Academic Scholarship, Social Work scholarship and Sports Scholarship**, Tsinghua University, 2015-2017

### Teaching Experience

1. Teaching Assistant: CSE220 - Programming in C (Spring 2021, MSU)
2. Guest Lecturer: CSE891 - AIoT: Artificial Intelligence in the Edge (Spring 2020, Fall 2021, MSU)

### Professional Service

1. **Reviewer:**
  - (a) **Conference:** ACM MobiCom '20/'21/'22 | IEEE INFOCOM '20/'21/'22
  - (b) **Journal:** IEEE Transactions on Wireless Communications | IEEE Transactions on Mobile Computing | ACM Transactions on Sensor Networks

### Industrial Experience

1. Wireless AI Intern at **Robert Bosch LLC**, Sunnyvale, CA. Nov. 2021- May. 2022