

## Yanzi Zhu

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CONTACT INFORMATION 3530 Phelps Hall, UC Santa Barbara 1-520-477-8020  
Santa Barbara, CA 93106 yanzi at cs.ucsb.edu

INTERESTS Wireless (mmWave) systems and networks; mobile sensing; privacy and security

EDUCATION **University of California, Santa Barbara**, Santa Barbara, CA

M.S. and Ph.D., Computer Science, *Expected*: Summer 2019

- Advisors: Prof. Ben Y. Zhao and Prof. Haitao (Heather) Zheng

**University of Minnesota**, Minneapolis, MN

B.S., Electrical Engineering (*High Distinction*), May 2014

- Advisor: Prof. Kiarash Bazargan

RESEARCH EXPERIENCE **UCSB SAND Laboratory**, Santa Barbara, CA Sept. 2014 to present

- Implemented an energy-saving scheme by stack offloading for mobile devices
- Designed a noise-tolerable mmWave mobile imaging system to detect the object's location, surface boundary, curvature, and material

**UMN FPGA Laboratory**, Minneapolis, MN Nov. 2012 to May 2014

- Developed a computational method named *binary stochastic* that maintains high fault tolerance and low computing latency

## PUBLICATIONS

1. Zhijing Li, Ana Nika, Xinyi Zhang, **Yanzi Zhu**, Yuanshun Yao, Ben Y. Zhao and Haitao Zheng. "Identifying Value in Crowdsourced Wireless Signal Measurements." To appear in *Proceedings of International Conference on World Wide Web*, Perth, Australia, Apr. 2017.
2. Maryam Eslami Rasekh, Zhinus Marzi, **Yanzi Zhu**, Upamanyu Madhow and Haitao Zheng. "Noncoherent mmWave Path Tracking." To appear in *Proceedings of Workshop on Mobile Computing Systems and Applications (HotMobile)*, Sonoma, CA, Feb. 2017.
3. **Yanzi Zhu**, Yibo Zhu, Ana Nika, Ben Y. Zhao and Haitao Zheng. "Trimming the Smartphone Network Stack." *Proceedings of Workshop on Hot Topics in Networks (HotNets)*, Atlanta, GA, Nov. 2016.
4. Ana Nika, Zhijing Li, **Yanzi Zhu**, Yibo Zhu, Ben Y. Zhao, and Haitao Zheng. "Empirical Validation of Commodity Spectrum Monitoring." *Proceedings of ACM Conference on Embedded Networked Sensor Systems (SenSys)*, Stanford, CA, Nov. 2016.
5. **Yanzi Zhu**, Yibo Zhu, Ben Y. Zhao and Haitao Zheng. "Reusing 60GHz Radios for Mobile Radar Imaging." *Proceedings of Annual International Conference on Mobile Computing and Networking (MobiCom)*, Paris, France, Sept. 2015.
6. Yibo Zhu, **Yanzi Zhu**, Zengbin Zhang, Ben Y. Zhao, and Haitao Zheng. "60GHz Mobile Imaging Radar." *Proceedings of Workshop on Mobile Computing Systems and Applications (HotMobile)*, Santa Fe, NM, Feb. 2015.
7. **Yanzi Zhu**, Peiran Suo, and Kia Bazargan. "Binary Stochastic Implementation of Digital Logic." *Proceedings of ACM International Symposium on Field Programmable Gate Arrays (FPGA)*, Monterey, CA, Feb. 2014.

AWARDS	Travel Awards	
	<ul style="list-style-type: none"> <li>• Networked Systems Design and Implementation (NSDI)</li> <li>• Mobile Computing and Networking (MobiCom)</li> </ul>	<p>2015 &amp; 2016</p> <p>2015 &amp; 2016</p>
TEACHING EXPERIENCE	Graduate Teaching Assistant	Oct. 2014 to June 2015
	CS 8 Intro to Computer Science	Prof. Cetin Kaya Kroc
	CS 16 Problem Solving with Computers	Prof. Phill Conrad
	CS 176A Intro to Computer Communication Networks	Prof. Ben Y. Zhao
	CS 176C Advanced Topics in Internet Computing	Prof. Haitao Zheng
INDUSTRY EXPERIENCE	Facebook, Menlo Park, CA	June 2016 to Sept. 2016
	<ul style="list-style-type: none"> <li>• Manager: Djordje Tujkovic</li> <li>• Conducted mmWave measurements and channel analysis for the Terragraph project</li> <li>• Coded a full experiment system with Python and C, being used in multiple countries</li> </ul>	
SKILLS	System design, signal processing, energy analysis, coding (Python, Java, C++, Matlab)	