

# Shichao YUE

## PERSONAL INFORMATION

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UNIVERSITY: Massachusetts Institute of Technology  
MAJOR: Computer Science  
EMAIL: [scyue@mit.edu](mailto:scyue@mit.edu)  
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## EDUCATION

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2016 - Now Ph.D. Candidate in *Computer Science*  
Massachusetts Institute of Technology, U.S.A  
GPA: 5.0/5.0  
2012 - 2016 B.E. in *Computer Science and Technology*  
Tsinghua University, China  
GPA: 93.3/100 (Rank: 1<sup>st</sup>/116)

## RESEARCH EXPERIENCE

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SEP 2016 - NOW	<b>Wireless Sensing for Health Care</b> Advisor: <b>Prof. Dina Katabi</b> , Massachusetts Institute of Technology Focusing on providing better human-computer interaction and health monitoring by using wireless signal
NOV 2015 - JUN 2016	<b>Collaborative Editing Tool for Non-Native Authors</b> Advisor: <b>Prof. Yuanchun Shi</b> , Tsinghua University Assisting ESL writers by giving statistical suggestions
APR 2015 - JUL 2015	<b>Relay-Assisted Load Balancing in Cellular Networks</b> Advisor: <b>Prof. Minghua Chen</b> , Chinese University of Hong Kong Designed a simple yet effective online load-balancing algorithm for a given pair of base stations that achieves at most 40% (offline solution) peak-traffic reductions as compared to the case of no load-balancing

## PUBLICATIONS

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1. **Shichao Yue** and Dina Katabi. "Liquid Testing with Your Smartphone." *To Appear In ACM International Conference on Mobile Systems, Applications, and Services (MobiSys)* 2019.
2. **Shichao Yue**, Hao He, Hao Wang, Hariharan Rahul and Dina Katabi. "Extracting Multi-Person Respiration from Entangled RF Signals." *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (UbiComp)* 2018.
3. Chen-Yu Hsu, Aayush Ahuja, **Shichao Yue**, Rumen Hristov, Zachary Kabelac, and Dina Katabi. "Zero-Effort In-Home Sleep and Insomnia Monitoring using Radio Signals." *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (UbiComp)* 2017.
4. Mingmin Zhao, **Shichao Yue**, Dina Katabi, Tommi S. Jaakkola, and Matt T. Bianchi. "Learning sleep stages from radio signals: A conditional adversarial architecture." *In International Conference on Machine Learning (ICML)* 2017.
5. Yeshuang Zhu, **Shichao Yue**, Chun Yu, and Yuanchun Shi. "CEPT: Collaborative Editing Tool for Non-Native Authors." *In Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW)* 2017.

## AWARDS

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JUN 2015	<b>Google Excellence Scholarship</b> This scholarship is offered to outstanding students from Computer Science or Software Engineering in mainland China. 58 students are selected (6 in Tsinghua University).
APR 2015	<b>EMC Special Prize of Challenge Cup, Tsinghua University</b> Award for the project <i>Music-Speech Segmentation</i> . Only 5 out of 100+ projects win this award
DEC 2014	<b>Zhong Shimo Scholarship</b> The highest award for undergraduates in CS Dept.
MAY 2014	<b>Tsinghua Sparks Program Membership</b> Among top 50/3000 students for achievements in scientific and technological innovations
APR 2014	<b>The Second Prize of Challenge Cup, Tsinghua University</b> Award for the project <i>LightProbe</i>
DEC 2013	<b>December 9<sup>th</sup> Scholarship</b> The second highest award for undergraduates in Tsinghua

## ENGLISH SKILLS

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TOEFL 106/120 (Reading: 30; Listening: 29; Speaking: 22; Writing: 25)  
GRE Verbal: 158/170, Quantitative 170/170, Analytical Writing 3.5/6.0

## PROGRAMMING

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Proficient: Python, C/C++, Java, Objective-C, Swift, JavaScript  
Basic Knowledge: SQL, HTML, ~~TEX~~LaTeX, Matlab