WEINAN SHI

+86 18811369981 ⋄ swnhieian@126.com

Homepage: `shiweinan.com`

EDUCATION

Ph.D. Candidate in Computer Science and Technology 2016 - present
Tsinghua University, Beijing, China. Research interest: Human Computer Interaction.

Bachelor of Engineering in Computer Science and Technology 2012 - 2016
Tsinghua University, Beijing, China. GPA : 92 / 100, Top 5%

Bachelor of Engineering in Economics and Finance 2013 - 2016
Tsinghua University, Beijing, China. Second degree program.

PUBLICATIONS

[1] **Weinan Shi**, Chun Yu, Shuyi Fan, Feng Wang, Tong Wang, Xin Yi, Xiaojun Bi, and Yuanchun Shi. 2019. VIPBoard: Improving Screen-Reader Keyboard for Visually Impaired People with Character-Level Auto Correction. In Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19).

[2] **Weinan Shi**, Chun Yu, Xin Yi, Zhen Li, and Yuanchun Shi. 2018. TOAST: Ten-Finger Eyes-Free Typing on Touchable Surfaces. Proc. ACM Interact. Mob. Wearable Ubiquitous Technol. 2, 1, Article 33 (March 2018), 23 pages.

[3] Ke Sun, Chun Yu, **Weinan Shi**, Lan Liu, and Yuanchun Shi. 2018. Lip-Interact: Improving Mobile Device Interaction with Silent Speech Commands. In Proceedings of the 31st Annual ACM Symposium on User Interface Software and Technology (UIST '18).

[4] Xin Yi, Chun Yu, **Weinan Shi**, Xiaojun Bi, and Yuanchun Shi. 2017. Word Clarity as a Metric in Sampling Keyboard Test Sets. In Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems (CHI '17).

[5] Xin Yi, Chun Yu, **Weinan Shi**, Yuanchun Shi. 2017. Is it too small?: Investigating the performances and preferences of users when typing on tiny QWERTY keyboards. International Journal of Human-Computer Studies, Volume 106, 2017, Pages 44-62.

RESEARCH PROJECTS

Optimization of Huawei Chinese input method January 2018 - June 2018

· Cooperated with Huawei Technologies Co. Ltd.
· Improved the accuracy of error correction by 20% using a Bayesian model
· The algorithm has been integrated into the product

Hand posture detection while typing on a smartphone March 2017 - November 2017

· Cooperated with Sogou Inc.
· RNN classification using only touch data and IMU data
· Achieved 85% accuracy over 5 different hand postures

ACADEMIC EXPERIENCE

- **Teaching assistant** of Theory and Practice of Human Computer Interaction, Tsinghua University, 2017 and 2019
- **Reviewer** of CHI 2019, IEEE THMS, CHI 2018, MobileHCI 2018

AWARDS

2019 National Scholarship, Ministry of Education, China
Best Paper Honorable Mention Award (Top 5%), ACM CHI 2019
2016 Outstanding Graduate, Department of CS, Tsinghua University
2015 Academic Excellence Award, Tsinghua University
2014 Academic Excellence Award, Tsinghua University
2013 Comprehensive Excellence Award, Tsinghua University