

Weinan Shi



Ph.D. Candidate



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Education

- 2016 – **Ph.D. Candidate of Computer Science and Technology, Tsinghua University, Beijing, China**
Research direction: Human Computer Interaction
GPA: 3.4/4.0
- 2012 – 2016 **B.E. of Computer Science and Technology, Tsinghua University, Beijing, China**
GPA: 92/100, Top 5%
- 2013 – 2016 **B.E. of Economics and Finance, Tsinghua University, Beijing, China**
Second Degree Program





Publications

- 1 Shi, W., Yu, C., Fan, S., Wang, F., Wang, T., Yi, X., ... Shi, Y. (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* (517:1–517:12). CHI '19. Glasgow, Scotland Uk: ACM. doi:10.1145/3290605.3300747
- 2 Shi, W., Yu, C., Yi, X., Li, Z. & Shi, Y. (2018). TOAST: Ten-Finger Eyes-Free Typing on Touchable Surfaces. *Proc. ACM Interact. Mob. Wearable Ubiquitous Technol.* 2(1), 33:1–33:23. doi:10.1145/3191765
- 3 Sun, K., Yu, C., Shi, W., Liu, L. & Shi, Y. (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* (pp. 581–593). UIST '18. Berlin, Germany: ACM. doi:10.1145/3242587.3242599
- 4 Yi, X., Yu, C., Shi, W., Bi, X. & Shi, Y. (2017). Word Clarity As a Metric in Sampling Keyboard Test Sets. In *Proceedings of the 2017 chi conference on human factors in computing systems* (pp. 4216–4228). CHI '17. Denver, Colorado, USA: ACM. doi:10.1145/3025453.3025701
- 5 Yi, X., Yu, C., Shi, W. & Shi, Y. (2017). Is it too small?: Investigating the performances and preferences of users when typing on tiny QWERTY keyboards. *International Journal of Human-Computer Studies*, 106, 44–62. doi:<https://doi.org/10.1016/j.ijhcs.2017.05.001>





Projects

- 2017 – 2019  **Input method for blind people**
Applying auto correction method into a keyboard for blind people.
- 2017  **Analysis of Chinese input method users.**
Analyzing the input habit of users through huge amount of data.
- 2016 – 2017  **Hand posture recognition when inputting text on smartphones**
Detecting the hand posture of users using machine learning methods by the data of motion sensors. **Cooperated with Sogou, Inc.**
- 2014  **Material management system.**
A website developed by Java SpringMVC framework and MySQL database.




Working Experience

- 2017, 2019  **Teaching assistant** of Theory and Practice of Human Computer Interaction, Tsinghua University.
- 2016  **Intern at CloudBeaver Techonology (Beijing) Co., Ltd.**
Front-end development of data analysis and visualization pages.
- 2015  **Intern at Tencent Technology (Shenzhen) Co., Ltd.**
Development of a Wechat official account.
- 2014 – 2015  **Director of Operations in student union** of Dept. of Computer Science and Technology, Tsinghua University.
Organization of student activities and communication with class committees.



Skills

- Languages  Strong reading, writing and speaking competencies for Mandarin Chinese and English.
- Coding  Python, Java (Android), \LaTeX , C#.
- Web Dev  HTML, CSS, JavaScript.
- Misc.  Academic research and writing, \LaTeX typesetting and publishing.

Awards

- 2019  **Best Paper Honorable Mention Award (Top 5%),** 2019 CHI Conference on Human Factors in Computing Systems
- 2015  **Academic Excellence Award,** Tsinghua University
- 2014  **Academic Excellence Award,** Tsinghua University

Awards (continued)

- 2013  **Comprehensive Excellence Award**, Tsinghua University
-  **Excellent Student Leader**, Dept. of Computer Science and Technology, Tsinghua University

Self Assessment

Hardworking with a serious attitude, fully enthusiasm for new technologies, high learning capability and strong ability to solve problems.