

# Weinan Shi



Ph.D. Candidate



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## Education

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

## Publications

- 1    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
- 2    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
- 3    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
- 4    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

- 2014     **Material management system.**  
A website developed by Java SpringMVC framework and MySQL database.

## Projects (continued)

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- 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.**
- 2017    **Analysis of Chinese input method users.**  
Analyzing the input habit of users through huge amount of data.
- 2017 – . . . .    **Input method for blind people**  
Applying auto correction method into a keyboard for blind people.

## Working Experience

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- 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.
- 2015    **Intern at Tencent Technology (Shenzhen) Co., Ltd.**  
Development of a Wechat official account.
- 2016    **Intern at CloudBeaver Techonology (Beijing) Co., Ltd.**  
Front-end development of data analysis and visualization pages.
- 2017    **Teaching assistant** of Theory and Practice of Human Computer Interaction, Tsinghua University.

## Skills

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

## Awards

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- 2013    **Comprehensive Excellence Award**, Tsinghua University  
**Excellent Student Leader**, Dept. of Computer Science and Technology, Tsinghua University
- 2014    **Academic Excellence Award**, Tsinghua University
- 2015    **Academic Excellence Award**, Tsinghua University

## Self Assessment

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