

Zheran Fang

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<https://github.com/LazarusX>

<http://stackoverflow.com/users/498996>

Education

- **Fudan University**
M.Sc in Computer Science Sept. 2013 – Present
 - Research assistant at Lab of Cryptography and Information Security
 - Advisor: Weili Han
 - National Scholarship for Graduates, *Rank: 1/32*
 - First Grade Scholarship for Graduate Freshmen, *Rank: 1/32*
- **Fudan University**
B.Eng. in Software Engineering Sept. 2009 – Jun. 2013
 - Research assistant at Lab of Cryptography and Information Security (*Feb. 2011 – Jun. 2013*)
 - Advisor: Weili Han
 - Third Grade Scholarship for Undergraduates
 - Second Grade Scholarship for Undergraduates

Skills

- **Programming:** Proficient in Java, Objective-C, Android; Entry level at C, Python, C++
- **English:** CET-6 623; Fluent in spoken and written English; Obtained *Shanghai Intermediate Interpretation Certificate*

Project Experience

- **Android Sensing Control** Research Project
Android Framework, Linux Kernel Sept. 2013 – Mar. 2014
 - Developed a framework for controlling applications' collection of sensing data on Android devices
 - Modified the `PackageManager` on the framework layer to allow revocation of sensing related permissions
 - Implemented robust protection on the kernel layer against malicious attempts to obtain root privilege and attacks circumventing the framework layer protection based on *SELinux*
 - Accepted as a subtask of the national *Core Electronic Devices, High-end Generic Chips and Basic Software* project
- **Qiancao Network Technology Co., Ltd** Startup Project
iOS, Android Nov. 2013 – June. 2014
 - Developed iOS clients of two apps, *Everybody's Busy*, a social network for sharing interests and discovering things to do, and *Oran*, an app for tracking everyday activities
 - Oversaw the development of Android clients of the above two apps as a project manager
- **Collaborative Policy Administration** Research Project
Android, Data Mining Mar. 2011 – Feb. 2014
 - Proposed a novel policy administration framework with the core idea that applications with similar functionalities shall have similar policies
 - Employed a data mining based method to obtain similar policies, achieving significant improvement over existing methods
 - One poster and one paper based on this project accepted by ACM CCS '11 and IEEE TPDS respectively

Selected Publications

- **Zheran Fang**, Weili Han, Yingjiu Li, *Permission Based Android Security: Issues and Countermeasures*, In Computers & Security 43 (2014), 205218 (Dec, 2012)
- Weili Han, **Zheran Fang**, Laurence T. Yang, Gang Pan, Zhaohui Wu, *Collaborative Policy Administration*, In IEEE Transactions on Parallel and Distributed Systems