ZACH WEI WANG

Student of Master of Philosophy

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EDUCATION

Master of Philosophy
The University of Adelaide
📅 June 2020 - Present

Bachelor of Engineering, Information Security
Southwest Jiaotong University
📅 September 2008 – July 2012

PUBLICATION

- R. Sun, **W. Wang**, M. Xue, G. Tyson, D. C. Ranasinghe. An Empirical Assessment of Global COVID-19 Contact Tracing Applications. *International Conference on Software Engineering(ICSE, Core Rank A*), 2021*. **Accepted**.

- **W. Wang**, R. Sun, M. Xue, D. C. Ranasinghe. An Automated Assessment of Android Clipboards. *35th IEEE/ACM International Conference on Automated Software Engineering(ASE, Core Rank A), 2020*. **Proceedings**

- R. Sun, **W. Wang**, G. Tyson, M. Xue, D. C. Ranasinghe. Venue-Trace: A Privacy-by-Design COVID-19 Digital Contact Tracing Solution. *The 18th ACM Conference on Embedded Networked Sensor Systems (SenSys 2020, Core Rank A*)*. **Proceedings**

INDEPENDENT PROJECTS

FoxSQL - MySQL Remote Manager
- FoxSQL is a lightweight MySQL and MariaDB database iOS and iPadOS devices client, which allows quick and simple access to MySQL and MariaDB Servers directly and through SSH tunnel with passwords or keys.
  Key Features:
  - SQL Syntax highlighting.
  - Code completion.
  - Quick access to tables, views, stored procedures and more.
  - SSH Tunnel (password & private key authentication).

SKILLS

C++, Objective-C, Swift, Java, Golang   ●●●●●
PHP, OSCP, Reverse Engineering   ●●●●●

WORK EXPERIENCE

Independent Software Developer
📅 9/2018 – Present   ● Shanghai, China
- Design and develop database manage application (FoxSQL) on iOS system, allowing database operators and developers to manage databases through iPads and iPhones. MySQL and MariaDB capable.
- Develop sets of VPN applications on android, iOS and macOS clients by C, kotlin and Swift, doubled with billing system with PHP, Golang, MySQL and Redis.

Senior Software Engineer, Lead
Shanghai PPTV Media Tech Ltd.
📅 9/2016 –9/2018   ● Shanghai, China
- Research and Develop Android solution of Online Meeting System (WebRTC).
- Research and Develop Facial-up SDK, a dynamic library (dlib) for facial detection and image processing by OpenGL.

📅 7/2012 – 7/2014
- Develop Android client of video stream application.

Tech Leader, Co-founder
Shanghai TWONE Info Tech Co., Ltd.
📅 9/2015 – 9/2016   ● Shanghai, China

Senior Software Developer
Ctrip.com
📅 7/2014 – 9/2015   ● Shanghai, China
- Develop and support PMS app on Android and iOS regarding the price and promotions of hotel for room reservation management.
- Participate in core bussiness senarios regarding the homestay management system for owners, responsible for developing and project management.