# Education

## University of New South Wales (UNSW) Jul 2012 – Present

**M.S in Computer Science and Engineering (Research) GPA: Distinction**

* **Security Analysis:** Systematically analyzed the security of Cost-Effective Tag Design (CETD) and fixed the security weaknesses with low additional costs.
* **Auditing Courses:** COMP9101Design and Analysis of Algorithms, COMP9201 Operating Systems, COMP9243 Distributed Systems, COMP9171 Object-Oriented Programming, COMP9041 Software Construction

## Beihang University (BUAA), Beijing, China Sep 2008 – Jun 2012

**B.E in Software Engineering GPA: Distinction**

# Employment

## Graduate Teaching Assistant, UNSW Aug 2013 – Dec 2013

## COMP9032 Microprocessors and Interfacing

* Tutor of Supervised 2 groups of 30 students in AVR assembly language programming. In total, 20 out of 30 got full marks on weekly labs and 5 out of 30 got full marks on final design project

## Summer Intern, National ICT Australia (NICTA) Nov 2012 – Feb 2013

## The Software Systems Research Group

* Designed and implemented a component-model (CAmkES) based desktop environment (DE) on seL4 micro-kernel providing slide storage and presentation services.
* Modified original FAT32 file system component used in DE to provide file content parsing and transferring services. Evaluated the performance and examined the bugs of CAmkES executive platform with scalable components (DE).

# Projects

**Commercial**

* **Voice-Controlled Guiding System for the Blind, VIA-Beihang Joint Lab (2011):** Designed and implemented Human Sensing Sub-System. Co-designer of control OS. **C, 8051 MCU**
* **Baidu A-Star Programming Competition Website Project (2010):** Developed UI and front-end codes. **Photoshop, HTML/CSS**

**Personal**

* **General Purpose Security Analysis System for Tag Designs (2013):**
* **Audio Processing Command-Line Tool (2013)**

# Skills

* **Programming Language: Experienced and Expert**: C, Java, Python; **Very Competent**: HTML, CSS, Matlab; **Understanding**: Linux/Unix Shell script, JavaScript, C++, C#
* **Working Platform: IDE:** MS Visual Studio, Eclipse, Xcode; **Operating Systems:** MS Windows, Linux/UNIX, OS X

# Extra-Curricular Activities & Awards

## Vice-Present of Beihang University Volunteer Association(2009-2010): Venue Administration Volunteer of 11th National Competition of Chinese College Students' Extracurricular Academic and Scientific Achievement; Honors: Annual Outstanding Volunteer of BUAA, 2009,2010

* **Beihang University Scholarship** (2011): Second Prize