# Objective

**Graduate Software Engineer Fulltime** (Graduate in August/2014)

# Education

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

**Master of Science in Computer Science and Engineering GPA: Distinction**

* **Research Topic**: Security Analysis on Memory Authentication Systems
* Implemented in software level and systematically analyzed the security of a new-published Message Authentication Code **(MAC)** design. Found security weaknesses in the design and provided optimization with low additional cost.
* **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

**Bachelor of Engineering in Software Engineering GPA: Distinction**

# Experience

## 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).

# Commercial Projects

**Voice-Controlled Guiding System for the Blind, VIA-Beihang Joint Lab** **Aug 2013 – Dec 2013**

* Designed and implemented Human Sensing Sub-System. Co-designer of control OS

## Baidu A-Star Programming Competition Website Project Aug 2013 – Dec 2013

* Designed and constructed the UI and front-end codes

# Personal Projects

* **General Purpose Security Analysis System for MAC Schemes (C)**
  + **Compatibility and Scalability**

Standard APIs. New benchmarks, MAC schemes and evaluation mechanism are connected to the framework with middleware

* + **UI:** Command-Line user interface. Self-explained instruction
* **A Chess Game (Java)**
  + **IDE:** MS Visual Studio, Eclipse, Xcode
  + **Operating System:** MS Windows, Linux/UNIX, OS X
* **Audio Processing Command-Line Tool (Java)**

# 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 Oct 2009 – Oct 2010

* **Venue Administration Volunteer**: 11th "Challenge Cup" National Competition of Chinese College Students' Extracurricular Academic and Scientific Achievement, 2009
* **Honors**: Annual Outstanding Volunteer of BUAA, 2009,2010

## Beihang University Scholarship Oct 2011

* Second Prize