# Objective

**Graduate student** seeking **Graduate Software Engineer** position

# Education

## Master of Science in Computer Science and Engineering Jul 2012 – Present

**University of New South Wales (UNSW)**

* 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.
* **GPA: Distinction**
* **Auditing Courses:** 
  + COMP9201
  + COMP9101
  + COMP9041
  + COMP9243
  + COMP9171

## Bachelor of Engineering in Software Engineering Sep 2008 – Jun 2012

**Beihang University (BUAA)**

* **GPA: Distinction**

# Experience

## Graduate Teaching Assistant Aug 2013 – Dec 2013

**University of New South Wales (UNSW)**

* Tutor of COMP9032 course “Microprocessors and Interfacing”
* 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 Nov 2012 – Feb 2013

**National ICT Australia (NICTA)**

* Candidate of “Taste of Research” Summer Project
* Designed and constructed 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).

## Teaching Assistant Oct 2011 – Jun 2012

**Beihang University (BUAA)**

* Tutor of courses: Introduction to Software Engineering, Embedded System Theory and Applications

# Commercial Projects

## Voice-Controlled Guiding System for the blind Aug 2013 – Dec 2013

**VIA-Beihang Joint Lab**

* Designed and constructed the human sensing sub-system. Co-designer for the control OS

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

**Astar Contest Project Group**

* Designed and constructed the UI and front-end code

# Skills

* **Programming Language:**
  + **Experienced and expert**: C, Java, Python
  + **Very Competent**: Linux/Unix Shell script, HTML, CSS, Matlab
  + **Understanding**: JavaScript, C++, C#
* **Working Platform:**
  + **IDE:** MS Visual Studio, Eclipse, Xcode
  + **Operating System:** MS Windows, Linux/UNIX, OS X
* Passionate problem solver with solid background in analysis and designing data structures and algorithms
* Solid background knowledge in unit testing, object-oriented programming, version control system and design pattern
* Understanding of operating system and distributed system, web application development, security and cryptography

# 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