Hanzhang Zeng
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CAREER PROFILE

Software Engineer at Freelancer International Pty. Ltd.   **Jan 2018 – Jan 2019**

- Participate in designing new features for Escrow.com
- Maintain and develop web applications and web services for Escrow.com
- Work with database systems (e.g. MySQL and SQL Server)
- Implement software unit tests and manage release notes

Bachelor of Engineering (Computer Engineering)   **Mar 2014 – Dec 2017**

- Undertook 2017 Internship at Microsoft (China)
- Undertook 2016 Taste of Research Summer Scholar Program at Data61
- Undertook 2015 Software Summer Camp at NICTA

EDUCATION

Bachelor of Engineering (Computer Engineering)   **Mar 2014 – Dec 2017**
University of New South Wales

- Graduated with Honours Class 1
- Distinction average

Taste of Research Summer Scholarship   **Nov 2015 – Feb 2016**

The program was set-up by UNSW Engineering faculty to allow undergraduate students to spend a summer working with a research team.

UNSW Dean's Honours List   **2015 – 2017**

The Dean's Honours List recognises high achieving undergraduate students in the UNSW Faculty of Engineering.

EXPERIENCE

Intern at Microsoft (China)   **Nov 2016 – Feb 2017**

Mooncake Anti-DDoS

- Developed a web application for monitoring real-time Anti-DDoS incidents
- Established data connection with Azure SQL database using ADO.NET
- Implemented the web application using Model-View-Controller pattern

THESIS PROJECT

seL4 Based IoT Device   **Mar 2017 – Dec 2017**

- Evaluated IoT system security from component architecture perspectives
- Analysed possible threats and attack surface of a digital photo frame IoT device
- Rearchitected a digital photo frame software system on seL4

COURSEWORK

Advanced Operating System   **Jul 2016 – Nov 2016**

- Developed a simple operating system on top of seL4 microkernel
- Implemented a timer driver, a simple file system, a memory manager and a process manager

PROGRAMMING LANGUAGES

C/C++   C#   Python 3   JavaScript (ES6)   Java

TECHNOLOGIES

React   Flask   ASP.NET   ADO.NET