

HSUEH-HUNG CHENG

412-265-5002

hsuehhuc@andrew.cmu.edu

Web

[xuehung.github.io](https://github.com/xuehung)

LinkedIn

[www.linkedin.com/in/](https://www.linkedin.com/in/hsuehhungcheng)

[hsuehhungcheng](https://www.linkedin.com/in/hsuehhungcheng)

Skills

Programming Language

C/C++, Java, Python, Ruby, JavaScript

Web Application

Servlet, MongoDB, MySQL, HTML, CSS, jQuery

Other

MacOS, UNIX, Eclipse, Vim

Courses

1. Distributed Systems
2. Wireless Sensor Network
3. Packet Switching and Computer Networks
4. Embedded Systems
5. Computer Systems
6. Information Security

Objective

To obtain a summer internship utilizing my skills in computer engineering

Education

Carnegie Mellon University (CMU), Pittsburgh, PA, GPA: 3.67/ 4.00

Master of Science in Information Networking

National Taiwan University, Taipei, Taiwan, GPA: 3.73/ 4.00

Bachelor of Science in Computer Science

Dec 2015

Jun 2011

Academic Projects

“WaterChat,” Distributed Systems, CMU (Spring 2015)

- Is developing an iOS chatting app to let users chat with others without Internet connection
- Is building a peer-to-peer network where devices help relay messages in distributed manner
- Technologies: **Swift, App development, Distributed Systems**

“HTTP Proxy Server,” Intro. to Computer Systems, CMU (Fall 2014)

- Developed a web proxy server able to deal with HTTP GET requests with multithreading
- Implemented an LRU cache which works for both static and dynamic contents
- Technologies: **C, Multithreading**

“Gravel - RTOS Kernel for ARM Processor,” Fund. of Embedded Systems, CMU (Fall 2014)

- Built a tiny kernel supporting context switching rate and monotonic task scheduling
- Implemented basic system calls (exit, sleep, time, mutex_lock, and mutex_unlock)
- Technologies: **C, ARM Assembly, Embedded Systems**

“Smart Home Box,” Intelligent Robot Lab, NTU (Dec 2010)

- Built a home system that manages heterogeneous sensors and actuators in a smart home
- Developed a home gateway enabling sensors to work together and compose services
- Technologies: **Java, ActiveMQ, TinyOS**

Experience

Web Developer, PChome Online Inc., Taipei, Taiwan (Feb - Jun 2014)

- Built an API server with Java Servlet and MongoDB for websites and smartphone Apps
- Developed browser plugins (Chrome, Firefox, Safari and IE)
- Assisted with the front-end development with jQuery and Foundation framework
- Built testing tools with Ruby and Node.js
- Technologies: **Java, MongoDB, MySQL, jQuery, JSON, Git**

Research Assistant, Academia Sinica, Taipei, Taiwan (Aug 2012 - Dec 2013)

- Assisted with researches including traffic offloading in cellular network and network mobility
- Managing academic projects, surveyed research references, and paper writing
- Technologies: **C/C++, Simulation, Wireless Networking**

Honors

- INI Scholarship, Aug 2014
 - Regional Champion, Startup Weekend, Taipei: Nov 2013
 - Best Paper Award, IEEE Asia-Pacific Services Computing Conference: Dec 2011
 - Semi-Finalist, Google Online Marketing Challenge: 2011
 - Presidential Award, NTU: Spring 2011
-