+886 xxx xxx xxx
+1 xxx xxx xxx
☎ +886 x xxxx xxxx
✉ xx@xxxx.xx
Can legally work in the United States without visa sponsor.

First Last

Experiences

2017/08-Present **Electrical and Software Engineer**, *<Small Local Engineering Firm>*, Full Time.

2014/07-2017/08 **Electrical and Software Engineer**, *<Small Local Engineering Firm>*, Part Time.

- Programmed the radar speed sign's firmware in C on Microchip dsPIC series of DSP.
- Wrote a configuration program in C++/wxWidgets that configures the radar speed sign through serial port.
- Implemented a system in C++/Shellscript/Node.js that communicates with the radar and IP Camera to capture speed violators.
- Designed part of the radar speed sign's printed circuit board.

2017/04-Present **IT/Software Consultant**, *<Small Local Finance Firm>*, Part Time.

- Deployed <Local Rental Listing Website> on Linode
- Maintained <Local Rental Listing Website>'s server and codebase during its growth to a few thousand users.

2013-Present **Review Board Member**, *<Largest Local Information Security Conference>*.

Awards

2017 **Google CTF**, *10th Place (Final) / 8th Place (Quals)*, (Team)).
I solve crypto problems.

2014 **Google Little Box Challenge**, *Academic Awards*, (Team).
I implemented the inverter firmware on an TI C2000 DSP in C and programmed a power stage electrical simulation in SageMath that allowed the design to achieve an energy density of $25W/in^2$

2013 **International Future Energy Challenge**, *Grand Prize*, (Team).
I implemented the inverter firmware on an TI C2000 DSP in C.

2010 **<Programming Contest held by a Large Software Company>**, *1st Place*, (Team).
Our team built a distributed, fully fault tolerant storage system and job dispatcher in C++. I designed and implemented the communication protocol and algorithms for this system

2009 **Asia-Pacific Olympiad in Informatics**, *Particiapation*, (Individual).

2009 **Taiwan Olympiad in Informatics Training Camp**, *2nd Stage (Top 12 nationally)*, (Individual).

2006 **National Olympiad in Informatics (Singapore)**, *Silver Medal*, (Individual).

Projects

2016 **POS System**.
I wrote a POS system in Python/Django that was in use at <Mid-to-small local beverage chain>

2014 **Digital Controller for LED Lighting**.
In a co-operation program with <Large Local IC Design House>, I implemented a microcontroller on Xilinx FPGA with verilog for controlling LED power supply, including the assembler and controller firmware.

2008 **Win32 Executable Packer**.
Wrote a fully functional x86 executable packer, including IAT obfuscation.

Skills

	Proficient	Intermediate
Programming Language	C/C++, x86 Assembly, Java, Javascript, PHP, Python, Node.js	Bash Shell Script, Verilog, HTML, CSS
Frameworks / DB	Django, MySQL, SQLite	Flask
Tools / OS	Linux, git	svn, sagemath

Education

2017/08 **BSc in Computer Science**, *National Taiwan University of Science and Techonolgy*, Taipei, Taiwan, Grade: 93.0/100.

- Major: Computer Science
- Double Major: Electronics Engineering
- Minor: Mechanical Engineering
- Minor: Business Administration

Last updated: March 21, 2018