CHIEN-YI, JUSTIN, LU

TEAM LEADER & CODE ENTHUSIAST

pcjustin.github.io (English)
blog.csdn.net/pcjustin (Mandarin)
github.com/pcjustin
github.com/pcjustin/Master_Thesis
pcjustin@icloud.com
(+86) 185-7558-5566

Technical Skills

3G / 4G / 3GPP	C / C++	Python
WiFi / Bluetooth	Java / Javascript / jQuery	MySQL
SSL protocols	Git / SVN	Markdown / Doxygen
Valgrind	gprof	gdb

Micro-Project

CyanogenMod	Palm Pilot Robot Kit	SketchUp
OpenWrt / FONAP	μClinux	I-DEAS / AutoCAD
OpenCV	Raspberry Pi	MATLAB (Path Tracker)
PLC (FX2N)	Atmel 89C51 (Keil C)	

Experience

Pax Technology Communications Software Engineer **2016 to present**
PaxSSL: A cross-platform SSL library for POS terminals
LibYab: Yet Another Bluetooth Library, a light-weight Bluetooth stack for BR/EDR & BLE.
Lead an agile team to support SSL / HTTP on POS terminals.

Sierra Wireless FW Test Development Engineer **2015 to 2016**
Automotive 3G/4G module productions:
Developed automated testing system for HW/FW/Framework.
Passed validation & obtain compliance by AT&T, PTCRB, etc.
Performed scrum framework over teams on different premises.
Designed signalling test framework using Anritsu MD8475A.

TCL Senior Software Engineer **2014 to 2015**
Won PO approval of 4G modem routers by passing EE mobile's inspection & acceptance.
Conduct pre-test with several operators, AT&T(US), EE(UK), Orange(FR).
Established, conducted, and improved an automated 4G testing plan.
Designed a WebUI test framework using Selenium & TestNG.

Pegatron Senior Software Engineer **2010 to 2014**
Prototyped a set-up-box(STB) for customer using Broadcom's solution. (Microsoft)
Prototyped an Android(2.1) TV using SiS' MIPS solution.(ZTE)
Prototyped an IoT gateway using Cisco HNAP.(Arris)
Prototyped an IPTV for media-ondemand application.(China Telecom)
Optimized an filesystem stack for RAM-limited embedded systems.

Skardin Software Engineer **2008 to 2010**
Developed a satelite tuner driver for ALi's STB solution.
Maintained the several projects and improved performances.

Zyxel Software Engineer **2006 to 2007**
Conducted throughput under various security matrices.
Conducted performance test using SmartBits.

Innovation

IO Stack github.com/pcjustin/io_stack
Designed a I/O Stack for send/receive message between two processes.

Python tools github.com/pcjustin/tools
Programmed some tools for myself.

Resume github/pcjustin/resume
The resume generator.

Education

Master of Engineering (Computer Science and Information Engineering) 2011 to 2013
Tamkang University, Taiwan

Bachelor of Informatics (Computer Science and Engineering) 2004 to 2007
Yuan Ze University, Taiwan