Security Research Engineer II Security Research Engineer II Security Research Engineer II at Keysight Technologies Austin, TX Work Experience Security Research Engineer II Keysight Technologies - Austin, TX February 2018 to Present Perform targeted customer and industry research to validate the vulnerability and exploit on various of products by static analysis/reverse engineering/bug hunting Create exploit signature (Strike) for Keysight Ixia BreakingPoint Strike List with bi-weekly update basis Create reports and corporate blog entries detailing original research material   CVE ID: CVE-2018-12888 Python Developer in Network Engineer AT&T Labs - Middletown, NJ September 2016 to January 2018 Software development in network engineer and automation tool using in AT&T production, include field cell-site and backend operation.   Implement Python automation tool on AT&T U.S.A Cell site network system config conversion and iBGP validation tool   Corporate with AT&T production team to upgrade, debug tool using on most of Cell-site network system in US   Trouble-shooting in python automation script and networking issue with remote connection Cybersecurity Analyst Intern Technical Consulting & Research - Weston, CT July 2016 to September 2016 Penetration testing on company's website, create test plan and report to supervisor.   Penetration testing on company's website by performing DDoS attack using VPN, Kali Linux and High Orbit Ion Cannon(HOIC) Embedded Security Intern Red Balloon Security - New York, NY May 2015 to December 2015 Software development in networking, reverse engineering and hardware hacking in embedded system   Built the test code for Cisco C3750 router by using Python and SSH to remote control the Raspberry PI to generate the network traffic in order to simulate the intense network environment   Constructed Pantum P2502W printer, Raspberry PI, JTAG/UART hardware pinout configuration in order to perform reverse engineering, memory dump on embedded system by using Jtagulator, OpenOCD and Flyswatter Software Development Intern Texas Instruments - Taipei, TW July 2012 to June 2013 Software/firmware development for Amazon's Tablet using C/C++. Built system for TI's embedded system.   Constructed, built and tested OMAP (4430/ 4460) Blaze Tablet image file system (Primarily for Amazon Kindle Fire) Built/tested Texas Instruments Pandaboard and Amazon Kindle Fire's bios system, and image file system used C/C++ Education Master of Science in Computer Engineering in Computer

Engineering New York University Tandon School of Engineering - Brooklyn, NY September 2014 to May 2016 Bachelor of Science in in Electrical Engineering National Chi Nan University September 2009 to June 2013 Skills Linux (2 years), Python (1 year), Penetration Testing (1 year), Security Engineer (Less than 1 year) Links https://github.com/kwc305 https://www.linkedin.com/in/kang-wei-billy-chang-534259b1 http://pentestwriteup.blogspot.com Certifications/Licenses Offensive Security Certified Professional October 2017 to Present OSCP CCNA July 2016 to July 2019 Cisco CCNA Additional Information SKILLS Programming Languages: C, C++, Java, Python, Assembly, Javascript, SQL, Matlab Software/Operating System: Linux Ubuntu, Windows, Mac OS X, MS Office, Eclipse Hardware: PandaBoard, OMAP4 Blaze Tablet, 8051, Arduino, Bus Pirate, Cisco 9K router Language: Chinese (Mandarin)

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