ANDY LEE

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PROFESSIONAL SUMMARY

A talented software engineer from IBM Security Development Lab who proficient in all phases of the software development lifecycle. Adept at working with Agile and Scrum methodologies to accomplish project milestones. Able to use C++, Python, bash and other programming languages to complete work. Recent interest in cloud native computing technologies such as Docker and Kubernetes.

WORK HISTORY

Software Developer, 07/2018 to Current
IBM Security

- Developed milter client APIs based on the Sendmail protocol to integrate with opendmarc library.
- Designed and developed product new features in scrum team and met the requirements from offering manager.
- Enhanced unit test coverage in python and C++ up to 60%.
- Reduced auto test cases failed rate from 30% to 2% in CI/CD process.
- Built code coverage report on Jenkins by leveraging open source tools gcovr and coverage.py.

Software Engineer Intern, 06/2015 to 08/2015
Trend Micro

- Developed automation tools in python to check Windows registry which reduces several complex steps.
- Enhanced an internal-use Windows tool with dynamic reading registry features.
- Test the compatibility of PC-Cillin 2016 on several Windows platforms by using VMware workstation.

Campus Execution Officer, 01/2013 to 02/2014
ASUS

- Led members of ASUS CEO to accomplish tasks in marketing and business.
- Won ASUS Padfone decoration competition in second prize.
- Promoted ASUS products in 2014 COMPUTEX Taipei.

System And Network Administrator, 07/2010 to 06/2016
NTU & NCU Computer Center

- Computer classroom management, including PC reinstallation, software installation, mass deployment.
- Anti-virus mechanism update, wireless network adjustment.
- Maintained mail server, webmail server, DNS server.

SKILLS

- Skilled in C/C++, Python and Bash Shell
- Familiar with version control tools (Gitlab, Github)
- Familiar with Linux environment (Ubuntu, CentOS, RHEL)
- Experience in CI/CD process (Jenkins, Gitlab CI)
- Experience in developing security projects including malware analysis system, memory forensics tool, and packet analysis module.
- Good English communication skills in writing and reading.
- TOEIC 870/990

EDUCATION

Master Degree: Institute Of Information Management, 2017
National Taiwan University - Taipei, Taiwan

- Took some courses in NTU CSIE
- Teaching Assistant of course Computer Networks and Applications in NTU IM
- Thesis: Enabling VMI-based memory inspection for runtime protection in KVM
- Professional development completed in Virtualization Security, Malware Analysis, Linux Kernel Module Development
- Graduated with 3.96/4.3 GPA

Bachelor Degree: Departure Of Information Management, 2014
National Central University - Jongli City, Toayuan

- Minored in NCU CSIE
- Developed an Android App - Dark Killer with other 4 teammates as the final year project and released on Google Play.
- Graduated in Top 10% of Class

ACCOMPLISHMENTS

- Hosted some technique sharings to introduce Kali Linux within IBM internal security community.
- Won the first prize of hackday project in IBM Security Taipei Lab.