Che-Wei Lin Resumé

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PROFILE

Graduate student majoring in Communications Engineering at National Tsing Hua University (NTHU). My current research interests include the software defined networking (SDN) with OpenFlow protocol and network security with dynamic malware analysis. I am also interested in open source projects especially using Python!

EDUCATION

M.S. Communication Engineering; National Tsing Hua University
September 2014 - June 2016 (expected)

B.S. Communication Engineering; Yuan-Ze University
September 2010 - June 2014

EXPERIENCE

NTHU High Speed Network Lab, Graduate Researcher *July 2014 - Present*

- In Summer 2014 worked to netwrok security research with dynamic malware analysis.

2014 PyCon APAC, Staff *January 2014 - May 2014*

- Spent 4 months in the Public relations (PR) team to promote PyCon APAC.

Smart Network System Institute, Institute for Information Industry
Intern *January 2014 - June 2014*

- Worked in the SDN development group. Developed integration for intrusion detection system (IDS) and SDN controller. Prototyped SDN applications. Worked in Python.

SKILLS

Working experience with **Python** and basic knowledge of **C**. Using version control with **Git** and **Vim** editor. Familiar with **Linux/Mac/Windows** environments and various network communication protocols.

TECNICAL EXPERIENCE

Open Source Projects Contribution

Ryu. Ryu is a component-based software defined networking framework.

- Contribute the Snort-Integrate patch in Ryu

Side Projects

- **Malware Sandbox**. An automated procedure activate the malware and recording network traffic in isolation environment.
- **Snort Rule Generator**. An automated analysis malicious network traffic in PCAP files and generate Snort rules. Went online at `http://security.linton.tw/`.

OpenStack Private Cloud

Managed and built up private cloud with OpenStack in multi-node architecture for the project in Lab. Contributed the quick build up scripts on the Github.