Hsuan-Ming **Chen**

IT Security Researcher · Data Analyst · Cloud Engineer

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Education

Master of Science in Informatics
Linz, Austria

Johannes Kepler Universität Linz (JKU)
Sep. 2017 - Apr. 2019

- Migrating Mathematical Programs to Web Interface Frameworks
Keywords: Remote Application Platform, Java, Web, Migration

Master of Business Administration in Information Management
Kaohsuing, Taiwan

National Sun Yat-sen University (NSYSU)
Sep. 2015 - Jun. 2019

- Big Data Intrusion Detection Using Cluster Computing
Keywords: Big Data, Virtualization, Cluster Computing, Intrusion Detection System, Cyber Security

Bachelor of Business Administration in Information Management
Nantou, Taiwan

National Chi Nan University (NCNU)
Sep. 2011 - Jun. 2015

- On the Design and Implementation Reaction Mechanisms of a Intrusion Detection and Prevention System in Linux Kernel-level
Keywords: Virtual Machine, Virtual Machine Monitor, Intrusion Detection and Prevention System, Linux Kernel

Skills

Programming	Python, Java, R, Linux Shell Script
Analytics & Research	Docker, Hadoop, Spark, Kafka, ElasticSearch, MongoDB
Languages	Mandarin (Native), Taiwanese (Native), English (Professional working), German (Basic), Japanese (Basic)

Research & Professional Experience

Graduate Researcher in Intelligence Defensive System Laboratory
Kaohsuing, Taiwan

Department of Information Management | NSYSU
Sep. 2015 - Jul. 2017

- Evaluated security incident logs from Checkpoint and ArcSight about Advanced Persistent Threats (APT).
- Migrated Hadoop and Spark cluster from Xen to Docker environment and promoted an over 50% performance increase.
- Systemized a high throughtput pipeline with Fluentd, Kafka, Spark, MongoDB clusters on Docker to analyze 1TB real-time log data.
- Created an automatic deployment of Hadoop and Spark standalone cluster script on DockerHub with 300+ downloads.
- Lectured the deployment and usages of Hadoop, Spark and Docker for over 40 graduate students in a financial trading program.

Teaching Assistant of Cloud Computing
Kaohsuing, Taiwan

Department of Information Management | NSYSU
Sep. 2016 - Jan. 2017

- Graded assignments and conducted consultations for over 30 graduate students about their final project presentations.

Trainee of Advanced Information Security Summer School (AIS3)
Kaohsuing, Taiwan

Taiwan Ministry of Education
Aug. 2016 - Aug. 2016

- Enhanced practical skills through the actual combats and the sharing of related experience in the information security field.

Teaching Assistant of Network Secuirty
Kaohsuing, Taiwan

Department of Information Management | NSYSU
Feb. 2016 - Jun. 2016

- Deployed and maintained a CTF platform by using Docker and organized a CTF competition for over 30 graduate students.
- Designed, built and collected over 20 CTF challenges in Web, MISC, Cryptography and Steganography.

Teaching Assistant of Operating System
Kaohsuing, Taiwan

Department of Information Management | NSYSU
Sep. 2015 - Jan. 2016

- Graded exam questions and conducted consultations for over 50 undergraduate students about their final project presentations.
- Designed and presented 16 personal seminars and 2 exam preparation sessions on special topics.

Honors & Awards

May 2017	**The Honor Mention Award,** Taiwan Information Security Center (TWISC) TCAT CTF Competition	*Taiwan*
Dec. 2016	**The Premium Award,** Taiwan Information Security Center (TWISC) Big Data Competition	*Taiwan*
Aug. 2016	**2nd/75,** Advanced Information Security Summer School (AIS3) Competition Final	*Taiwan*