Hsuan-Ming **Chen**

IT SECURITY · MACHINE LEARNING · CLOUD COMPUTING

Taichung City 406, Taiwan

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Education

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

Master of Science in Informatics: Engineering & Management
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

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, Docker, Hadoop, Spark, Kafka, ElasticSearch, MongoDB
Opearting System	Ubuntu, MacOS
Languages	Mandarin (Native), Taiwanese (Native), English (Fluent), German (Basic), Japanese (Basic)

Leadership & Laboratory 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 clusters from virtual machines to Docker environment and increased over 50% performance.
- Systemized a high throughtput pipeline with Fluentd, Kafka, Spark, MongoDB clusters on Docker to analyze 1TB real-time log data.

Teaching Assistant of Cloud Computing
Kaohsuing, Taiwan

DEPARTMENT OF INFORMATION MANAGEMENT | NSYSU
Sep. 2016 - Jan. 2017

- Graded assignments for over 30 graduate students and advised 8 groups of final project presentation.

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

TAIWAN MINISTRY OF EDUCATION
Aug. 2016 - Aug. 2016

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

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

- Conceived and graded exam questions for over 50 undergraduate students and advised 10 groups of final project presentation.
- 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*