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 throughput 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
Kaohsuing, Taiwan

ADVANCED INFORMATION SECURITY SUMMER SCHOOL (AIS3), 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**, TCAT CTF Competition	*Taiwan*
Dec. 2016	**The Premium Award**, Big Data Competition for College Students	*Taiwan*
Aug. 2016	**2nd/75**, Advanced Information Security Summer School (AIS3) Competition Final	*Taiwan*