Hubertus Adhy Pratama Setiawan

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EDUCATION

National University of Singapore *Singapore*

BACHELOR OF COMPUTING IN INFORMATION SECURITY *Aug 2019 – May 2023 (expected)*

- Current CAP: 4.68 out of 5 (3.74 out of 4).
- Relevant coursework: Data Structures and Algorithms, Computer Networks, Operating System, Database Management, Computer Security, Software Engineering and Object-Oriented Programming.

SKILLS

Programming/Scripting   C, C++, Python, Bash, Java, SQL

Technologies/Tools   Burp suite, Docker, Flask, Git, GDB, Ghidra, Linux, Wireshark

Certifications   Red Hat Certified System Administrator (expected, Jan 2023)

WORK EXPERIENCES

TRS Forensics *Singapore*

INFORMATION SECURITY INTERN *Dec 2021 - May 2022*

- Developed an internal tool to prevent penetration testers from attacking out-of-scope targets during an engagement using OpenVPN, Linux's iptables, and the ELK stack.
- Performed penetration testing on various web and android applications. Wrote comprehensive reports with clear steps to help clients patch their systems.
- Performed digital forensics process starting from evidence preservation until image analysis using various state-of-the-art forensics tools.
- Developed internal wiki pages to document the technical aspect of the services offered by the company. The topics covered include: secure file deletion, password audit, WPA2 hash cracking.

Envision Digital International *Singapore*

CYBERSECURITY ENGINEER INTERN *Jun 2021 - Sep 2021*

- Performed vulnerability scanning using various software composition analysis tools and wrote bash scripts to automate the process of uploading the software, scanning, and retrieving the scan result by utilizing REST API.
- Set up a testing environment for the integration of Filebeat and Elasticsearch for sending, collecting, and correlating security logs.
- Helped the Digital Forensics and Incident Response Team to perform digital forensics on EnCase Image using Autopsy and AccessData FTK Imager.

PROJECTS

chiroproctor *Singapore*

NUS IoT - HTTPS://GITHUB.COM/ADHY-P/CHIROPROCTOR *2021*

- Developed an IoT solution to help people maintain good postures. Created and trained a machine learning model to predict user's posture based on accelerometer and gyroscope data.
- In charge of server deployment (AWS), devices communication (Bluetooh Low Energy + MQTT), and data collection.

OTHER EXPERIENCE

National University of Singapore *Singapore*

STUDENT TUTOR *Aug 2020 - Dec 2022*

- Taught Programming Methodology (AY2020-22), Data Structures and Algorithms (AY2020-21), and Computer Networks Practice (AY2022-23) to a total of 120 students across 4 semesters.
- Received the Honor List of Student Tutors awards (AY2021-22) for excellence in teaching.

EXTRACURRICULAR ACTIVITIES

2022   NUS Greyhats: NUS' cybersecurity interest group. Presented a talk about Burpsuite, played capture the flags (CTF), participated in internal trainings in cryptography, web exploitation, reverse engineering, and binary exploitation.

2020 - 2021   NUSSU Committee of IT (Director of Operations and Logistics), Misi Kami Peduli (Member), NUANSA Cultural Production (Member)