

Hubertus Adhy Pratama Setiawan

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SUMMARY

Final year Information Security student at the National University of Singapore who loves to learn new things and solve challenging problems. Enjoys building and breaking stuffs related to computers, especially Linux-based systems. Deeply interested in operating systems, computer networks, and computer security in general.

EDUCATION

National University of Singapore

Singapore

BACHELOR OF COMPUTING IN INFORMATION SECURITY

Aug 2019 – May 2023 (expected)

- Current CAP: 4.67 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, Git, GDB, Ghidra, Linux, Wireshark

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

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](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 (Bluetooth Low Energy + MQTT), and data collection.

OTHER EXPERIENCE

National University of Singapore

Singapore

STUDENT TUTOR - PROGRAMMING METHODOLOGY/DATA STRUCTURES AND ALGORITHMS

Aug 2020 - Dec 2021

- Received teaching rating of 4.7 out of 5.
- Led weekly in-class discussion.
- Graded coding assignments written in C/C++ and gave constructive feedback on the code.
- Provided one-to-one consultation with the students.