

Jun Wei Woon

STUDENT AT SINGAPORE INSTITUTE OF TECHNOLOGY (SIT)

Singapore

✉ woonjunwei@protonmail.com | 🌐 synthyze.com | 📄 Devoalda | 📞 woon-jun-wei-893406174

I am a student currently persuing a Degree in Computing Science at Singapore Institute of Technology(SIT) and a SHINE Intern at Singtel. I have a deep driven passion for security, electronics and automation.

Employment

Security Engineer SHINE Intern

Singapore Telecommunications Ltd
(Singtel)

TECHNOLOGY AND SERVICE ASSURANCE

September 2024 -> Present

- Developed and optimized SIEM-SOAR workflows, implementing automated data transformation pipelines to standardize log formats, reduce processing time, and enhance threat detection accuracy.
- Engineered scalable automation to reduce redundant alerts and enhance threat detection.
- Collaborated cross-functionally with security engineers and analysts to integrate adaptive log parsing mechanisms, ensuring seamless ingestion of heterogeneous log sources while maintaining data integrity.

Armament Technician Specialist

Singapore

SINGAPORE ARMED FORCES

July 2020 -> July 2022

- Responsible for maintainence and repair of the armament and C4 Systems of the Hunter Armoured Fighting Vehicle
- Led a section of 7 - 10 technicians for daily maintenance of vehicles

Student Intern

Cyber Test Systems

CYBER TEST SYSTEMS

November 2019 -> February 2020

- Malware Analysis of a 32-bit Portable executable file
- Log Analysis with security information and event management (SIEM) for the creation of threat signatures based on different cyber attack threat vectors
- Developed A Raspberry Pi GPS-based NTP Server
- Depolyed Hybrid Cyber Range (Server Infrastructure) for services that include — File Sharing (SMB), Domain Name Server (DNS), Network time (NTP)

Administrator

Coursemology.sg

OLYMPUS LEARNING ACADEMY

February 2019 -> March 2019

- Website Management and creation of new course pages on the website
- Online marketing with email marketing, email automation and Search Engine Optimisation
- Front-end customer service and administration.

Publications

1. Woon, J. W., Sheng Jovian, L. H., Choon How, B. L., Richie, W. R., Yuan, P. X., Abhishek, N. V., & Bin Abbas, M. F. (2024). Multi-protocol wireless mesh sensor network. *2024 IEEE VTS Asia Pacific Wireless Communications Symposium (APWCS)*, 1–6. <https://doi.org/10.1109/APWCS61586.2024.10679304>

Education

Singapore Institute of Technology, University of Glasgow

Singapore/Glasgow

BSC (HONS) COMPUTING SCIENCE

2022 ->

- Cumulative Grade Point Average: 4.73/5
- Provost List AY2023/2024 (Top 2% of cohort)
- Singtel SHINE Apprentice
- Code Olympics 2024 (Participant)
- StandCon CTF 2023 (Participant)

Nanyang Polytechnic

Singapore

DIPLOMA IN CYBER SERCURITY AND FORENSICS

2017 -> 2020

- Cumulative Grade Point Average: 3.37/4
- Diploma Plus: Linux System Essentials
- NYP Taekwondo Club

Skills

Programming Languages

PYTHON, C, R, JAVA, SQL, PHP, BASH, RUST, C#

Cyber Security

CRYPTOGRAPHY, BASIC REVERSE ENGINEERING, MALWARE ANALYSIS, TRAFFIC ANALYSIS, SIEM, SOAR

Operating Systems

GNU/LINUX, WINDOWS, FREEBSD VARIANTS, FREERTOS, ROBOT OPERATING SYSTEM (ROS)

Version Control

GIT

IoT

RASPBERRY PI, 3D PRINTERS, ESP32, ARDUINO, ROS

Awards and Certifications

CERTIFICATIONS

Offensive Security Certified Professional

OSCP

Offensive Security

In Progress

Google Advanced Data Analytics

GOOGLE ADVANCED DATA ANALYTICS CERTIFICATION

Coursera

2024

Google Cyber Security

GOOGLE CYBER SECURITY CERTIFICATION

Coursera

2024

Amazon Web Services (AWS)

AWS ACADEMY CLOUD FOUNDATIONS

AWS

2023

Docker

DOCKER FUNDAMENTALS

VMware

2023

Kubernetes

KUBERNETES FUNDAMENTALS

VMware

2023

JPMorgan Software Engineering Virtual Experience on Forage

USED PERSPECTIVE DATA VISUALIZATION SOFTWARE AND PYTHON TO MONITOR STOCK PRICE TRENDS AND CREATE TRADING STRATEGIES.

JPMorgan Chase & Co.

October 2022

Projects

Multi-Protocol Wireless Mesh Sensor Network

IoT PROTOCOLS

Singapore Institute of Technology

2024

- Development of a WSN with embedded systems capable of switching between ESP-NOW and LoRa protocols
- Performed testing and gathered data for evaluation of protocols
- Published a paper about the implementation and findings of the WSN

Cybersecurity Capture the Flag (CTF) Competitor

PARTICIPATED IN HANDS-ON CHALLENGES TO IDENTIFY VULNERABILITIES, ANALYZE EXPLOITS, AND SECURE SYSTEMS

Singapore

2022

- Platforms: Hack The Box (HTB), TryHackMe (THM), PortSwigger
- Competitions: IrisCTF (Forensics, OSINT), StandCon (Crypto), CyberLeague (Forensics, Cloud)

Home Lab

PERSONAL LAB FOR R&D

Singapore

2022

- PfSense Router/Firewall and DevSecOps services
- TrueNAS Server
- Docker Server for R&D