Jun Wei **Woon**

STUDENT AT SINGAPORE INSTITUTE OF TECHNOLOGY (SIT)

Singapore

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

Employment

Armament Technician Specialist

SINGAPORE ARMED FORCES

Singapore

July 2020 –> July 2022

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

Student Intern

CYBER TEST SYSTEMS

Cyber Test Systems

November 2019 –> Feburary 2020

- Malware Analysis of a 32-bit Potable 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

OLYMPUS LEARNING ACADAMY

Coursemology.sg

Feburary 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.

Instructor

JH KIM TAEKWONDO INSTITUDE(MAIN)

Millenia Walk, Singapore

May 2016 –> June 2016

- Taught Children and Young adults Taekwondo Basic hand and kicking techniques for self defense

Instructor

TEAM SPECTRUM TAEKWONDO

Singapore

August 2015 –> Present

- Taught classes of varying ages —Toddlers - Seniors Taekwondo hand and kicking techniques for self defense
- Instilling values in younger students
- Responsible for weekly training sessions for competitive and non-competitive environments

Education

Singapore Institute of Technology

BSC (HONS) COMPUTING SCIENCE

Singapore

2022 –>

- Cumulative Grade Point Average: 4.72/5
- StandCon CTF 2023 (Participant)

Nanyang Polytechnic

DIPLOMA IN CYBER SERCURITY AND FORENSICS

Singapore

2017 –> 2020

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

Balestier Hill Secondary School

GCE 'O' LEVELS

Singapore

2013 –> 2016

- Aggregate Score: 13

Skills

Programming Languages

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

Cyber Security

CRYPTOGRAPHY, BASIC REVERSE ENGINEERING, MALWARE ANALYSIS, TRAFFIC ANALYSIS

Markup Languages

CSS, HTML, LaTeX, Markdown

Data Interchange Formats

CSV, JSON, XML

Operating Systems

GNU/LINUX, WINDOWS, FREEBSD VARIENTS, FreeRTOS, ROBOT OPERATING SYSTEM (ROS)

Version Control

Git

Microsoft Office

Outlook, OneNote, PowerPoint, Word

Computer Hardware

RASPBERRY Pi (3B, 4, Pico), 3D PRINTERS, CUSTOM PERSONAL COMPUTERS

Projects

Niryo Ned 2 Development   *Singapore Institute of Technology*

ROBOTIC ARM DEVELOPMENT   *2023*

- Robot Arm Package(s) development based on Robot Operating System (ROS)
- Skills acuqired: ROS Development, Computer Vision, Scrum Framework

FreeRTOS Car   *Singapore Institute of Technology*

AN EMBEDDED SYSTEMS PROJECT   *2023*

- Maze-solving robot car based on FreeRTOS, employing the use of multiple sensor components
- Skills acuqired: C, FreeRTOS, Sensor Driver development and integration

Linux Driver Development   *Singapore Institute of Technology*

A USER & KERNEL SPACE COMMUNICATION APPLICATION   *2023*

- Linux User-Space and Kernel-Space driver development to allow for hashing and communication
- Skills acuqired: C, Linux Kernel Driver Development, Bash

SafeShare   *Singapore Institute of Technology*

A SAFE, DISTRIBUTED FILE SHARING APPLICATION   *2023*

- A python-based, scalable and distributed file sharing application coupled with virus scanning technology as a microservice utilising Docker and Kubernetes (K8S)
- Skills acuqired: Docker, Docker Compose, Kubernetes, Distributed Systems, Cloud Computing

LaDo   *Singapore*

TODO LIST & POMODORO APPLICATION   *2023*

- A todo list developed using Laravel and its technologies
- Skills acuqired: Laravel 10 and toolkit (Breeze, Livewire, Sanctum, Eloquent)

FormBuilder   *Singapore Institute of Technology*

PHP FORMBUILDER LIBRARY   *2023*

- A form builder PHP library for CodeIgniter4 that provides APIs and frontends to developers
- Skills acuqired: PHP, CodeIgniter4, PHP Library development

Steganography with Python   *Singapore Institute of Technology*

A PoC APPLICATION OF LSB-BASED STEGANOGRAPHY   *2023*

- Least Significant Bits (LSB) Steganography application with support for multiple file type Information Hiding
- Skills acuqired: LSB Steganography for multiple file formats

Creality Ender 3 V2 3D Printer   *Singapore*

3D PRINTER   *2022*

- 3D Printer powered by a Raspberry Pi to print functional parts for replacement/repair of equipment
- Modified and engineered to print different materials at a higher speed and accuracy

Home Server   *Singapore*

DOCKER-BASED SERVER   *2022*

• Decommissioned personal computer recommissioned as a docker-based server that serves applications like bitwarden and Gitea

Home Network router   *Singapore*

PFSENSE NETWORK ROUTER   *2021*

• Installed and configured PFSense router software on decommissioned Personal Computer(PC) to serve as a home network router at home. This allows for better control and configuration of my home network to suite my family's needs.
• Services Include — Network Segregation, Load Balancer, DNS Server/Forwarder, Reverse Proxy Server, Wireguard VPN Server

devblog.periodicc.com   *gitlab.com*

GITLAB-HOSTED WEBSITE   *2020*

• Deployed a website with Gitlab's CI/CD to serve as a portfolio and a cheatsheet/guide for future code and configuration references

Home File Server   *Singapore*

FREENAS NETWORK-ATTACHED STORAGE   *2019*

• Installed, configured and secured FreeNAS as a network storage for my family to store files off their devices

Awards and Certifications

CERTIFICATIONS

Google Cyber Security   *Coursera*

GOOGLE CYBER SECURITY CERTIFICATION   *2024*

Amazon Web Services (AWS)   *AWS*

AWS ACADEMY CLOUD FOUNDATIONS   *2023*

Docker   *VMware*

DOCKER FUNDAMENTALS   *2023*

Kubernetes   *VMware*

KUBERNETES FUNDAMENTALS   *2023*

JPMorgan Software Engineering Virtual Experience on Forage   *JPMorgan Chase & Co.*

USED PERSPECTIVE DATA VISUALIZATION SOFTWARE AND PYTHON TO MONITOR STOCK PRICE TRENDS AND CREATE TRADING   *October 2022*
STRATEGIES.

HackerRank   *HackerRank*

SQL(BASIC)   *2022*

HackerRank   *HackerRank*

PYTHON(BASIC)   *2022*

Taekwondo   *Singapore*

SINGAPORE TAEKWONDO FEDERATION 3RD DAN BLACK BELT   *2019*

Taekwondo   *Singapore*

KUKKIWON 1ST DAN BLACK BELT   *2018*

Taekwondo   *Singapore*

NATIONAL COACH ACCREDIATION PROGRAM LEVEL 2(TECHNICAL)   *2017*