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 Institude of Technology(SIT). I have a deep driven passion for security, electronics and automation.

Employment

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 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   *Coursemology.sg*

OLYMPUS LEARNING ACADAMY   *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   *Millenia Walk, Singapore*

JH KIM TAEKWONDO INSTITUTE(MAIN)   *May 2016 –> June 2016*

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

Instructor   *Singapore*

TEAM SPECTRUM TAEKWONDO   *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   *Singapore*

BSC (HONS) COMPUTING SCIENCE   *2022 –>*

- Cumulative Grade Point Average: 4.65/5

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

Balestier Hill Secondary School   *Singapore*

GCE 'O' LEVELS   *2013 –> 2016*

- Aggregate Score: 13

Skills

Programming Languages

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

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

LaDo *Singapore*

TODO LIST & POMODORO APPLICATION *2023*

- A todo list developed using Laravel and its technologies

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

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

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)

FormBuilder *Singapore Institute of Technology*

PHP FORMBUILDER LIBRARY *2023*

- A form builder PHP library for CodeIgniter4 that provides APIs and frontends to developers

Steganography with Python *Singapore Institute of Technology*

A PoC APPLICATION OF LSB-BASED STEGANOGRAPHY *2023*

- Least Significant Bits Steganography application with support for multiple file type Information Hiding

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

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
STRATEGIES.   *October 2022*

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*

SCHOLARSHIPS

Singtel Shine Apprentice   *Singtel*

                                                                             2022

COMPETITIONS

StandCon CTF   *NoH4ts*

                                                                             2023