

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 → February 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 INSTITUTE(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: 4.65/5

Nanyang Polytechnic

DIPLOMA IN CYBER SERCURITY AND FORENSICS

Singapore

2017 → 2020

- Cumulative Grade Point Average: 3.37/4

Balestier Hill Secondary School

GCE 'O' LEVELS

Singapore

2013 → 2016

- Aggregate Score: 13

Skills

Programming Languages

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

Markup Languages

CSS, HTML, L^AT_EX, MARKDOWN

Data Interchange Formats

CSV, JSON, XML

Operating Systems

GNU/LINUX, WINDOWS, FREEBSD VARIANTS, 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

TODO LIST & POMODORO APPLICATION

- A todo list developed using Laravel and its technologies

Singapore

2023

FreeRTOS Car

AN EMBEDDED SYSTEMS PROJECT

- Maze-solving robot car based on FreeRTOS, employing the use of multiple sensor components

Singapore Institute of Technology

2023

Linux Driver Development

A USER & KERNEL SPACE COMMUNICATION APPLICATION

- Linux User-Space and Kernel-Space driver development to allow for hashing and communication

Singapore Institute of Technology

2023

SafeShare

A SAFE, DISTRIBUTED FILE SHARING APPLICATION

- A python-based, scalable and distributed file sharing application coupled with virus scanning technology as a microservice utilising Docker and Kubernetes (K8S)

Singapore Institute of Technology

2023

FormBuilder

PHP FORMBUILDER LIBRARY

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

Singapore Institute of Technology

2023

Steganography with Python

A PoC APPLICATION OF LSB-BASED STEGANOGRAPHY

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

Singapore Institute of Technology

2023

Crealty Ender 3 V2 3D Printer

3D PRINTER

- 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

Singapore

2022

Home Server

DOCKER-BASED SERVER

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

Singapore

2022

Home Network router

PFSense NETWORK ROUTER

- 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

Singapore

2021

devblog.periodicc.com

GITLAB-HOSTED WEBSITE

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

gitlab.com

2020

Home File Server

FREENAS NETWORK-ATTACHED STORAGE

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

Singapore

2019

Awards and Certifications

CERTIFICATIONS

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

HackerRank

SQL(BASIC)

HackerRank

2022

HackerRank

PYTHON(BASIC)

HackerRank

2022

Taekwondo

SINGAPORE TAEKWONDO FEDERATION 3RD DAN BLACK BELT

Singapore

2019

Taekwondo

KUKKIWON 1ST DAN BLACK BELT

Singapore

2018

Taekwondo

NATIONAL COACH ACCREDITATION PROGRAM LEVEL 2(TECHNICAL)

Singapore

2017

SCHOLARSHIPS

Singtel Shine Apprentice

Singtel

2022

COMPETITIONS

StandCon CTF

NoH4ts

2023