

Jun Wei Woon

STUDENT AT SINGAPORE INSTITUTE OF TECHNOLOGY (SIT)

Singapore

✉ woonjunwei@protonmail.com | 🏠 devblog.periodicc.com | 📷 Devoalda | 📺 woon-jun-wei-893406174

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

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 -> 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
- Deployed 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
- 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

Balestier Hill Secondary School

Singapore

GCE 'O' LEVELS

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, 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

Niryo Ned 2 Development

ROBOTIC ARM DEVELOPMENT

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

Singapore Institute of Technology

2023

FreeRTOS Car

AN EMBEDDED SYSTEMS PROJECT

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

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
- Skills acquired: C, Linux Kernel Driver Development, Bash

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)
- Skills acquired: Docker, Docker Compose, Kubernetes, Distributed Systems, Cloud Computing

Singapore Institute of Technology

2023

LaDo

TODO LIST & POMODORO APPLICATION

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

Singapore

2023

FormBuilder

PHP FORMBUILDER LIBRARY

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

Singapore Institute of Technology

2023

Steganography with Python

A PoC APPLICATION OF LSB-BASED STEGANOGRAPHY

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

Singapore Institute of Technology

2023

Creality 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

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 Forge

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 ACCREDITATION PROGRAM LEVEL 2(TECHNICAL)

2017