Siong Meng (Justin)Tay

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Skills

- Thrive in a team environment
- Critical thinking
- Problem solving
- Adaptability & flexibility
- Excellent time management

- Attention to details
- Patience and persistence
- Good communication and interpersonal skills
- Good hand-eye coordination
- Willingness and ability to learn

Technical Skills

- Windows 10, MacOS, Office 365, IOS and Android
- Ubuntu, Kali, Windows Server 2019 (Basic Knowledge)
- Scripting (Python)
- Data collection and analysis (Splunk, MySQL)
- Cyber Security toolsets (detect, record, monitor, analyse)
- ServiceNow ITSM
- Virtualisation (VMware)
- Website security scanner (OWASP ZAP, Burp Suite)
- FortiGate Firewall (Basic Knowledge)

- Configure CISCO Router and Switch
- Network simulation (Cisco Packet Tracer, GNS3)
- TCP/IP Networking, LAN, WLAN, VLAN, SDN
- Soldering
- Read electrical schematic circuit diagram
- Fault finding in computer/electronic device
- Awareness of occupational health and safety issues
- Assemble, install, repair and configure computer/electronic components
- Lay and terminate wiring/cabling and accessories

Work Experience

MACHINE OPERATOR / GOODMAN FIELDERS, FORESTVILLE SA | 2010 TO 2012 FEBRUARY

- Set up machines and perform testing procedures to ensure that machines work optimally.
- Working as part of a team to operate/monitor bread slicing and packaging machine.
- Check finished products for defects and to ensure conformance to company standards.
- Identify production issues and basic troubleshooting of machinery issues.
- Recording production and operational data such as logs, reports, and machine operating records.

Volunteering

STUDENT IT SUPPORT DESK | TAFE SA, ADELAIDE SA | 8/8/2022 TO 12/8/2022

- Use ServiceNow for logging and resolving incidents.
- Use tools to reset network passwords.
- Use the internet to assist with problem resolution.
- Developing customer service skills in an ICT environment.
- Working as part of a team.

Project & Relevant Experience

- Advance Home Network – TP-Link Omada SDN network (Router, Switch, SDN Controller, Access Point) setup with multiple VLAN, VPN, Access Control List, Multi-user privilege assignment, IP/MAC/Port/VLAN Binding, Secure Authentication with Captive Portal.

- Raspberry Pi Surveillance camera with email alert – Assemble camera and motion sensor. Write and run Python script on Raspberry Pi to record video upon motion detection and send email with video attachment.

- Smart Garage Door – Install Wi-Fi switch relay onto garage door opener. Replace manufacturer app by flashing with open-source Apple Homekit Firmware. Enable function "Hey Siri, Open garage door."

- Quadcopter – Assemble and solder Quadcopter components (Flight Controller, Motor, Electronic Speed Controller and RC Receiver). Configure Flight Controller and bind RC Transmitter.

- Replace iMac faulty HDD with new SSD and reinstall macOS. Replace MacBook faulty battery and calibrate newly installed battery.

- Replace Nintendo Switch Wireless Controller faulty flex PCB board cable.

Education

Certificate 2 In Electrotechnology | TAFE SA, Tonsley   **2016**

Certificate 2 In Electronics | TAFE SA Tonsley   **2017**

Certificate 4 In Cyber Security | TAFE SA, Adelaide   **February 2022 – Current**

Completed Subjects:

Network Fundamentals

- Understand the function and operation of OSI and TCP/IP networking models.
- Use Cisco Packet Tracer software to practice networking, visualize and troubleshoot simulated network.
- Configure the routers and switches with network settings (IPv4 & IPv6 addressing, routing) and security
- Configure, test and troubleshoot connectivity between all networks (LAN & WLAN) and devices.
- Implement network security lab and testing environment using GNS3 and VMware software.

Basic IT Skills for Cyber Security

- Perform hardware and software preventive maintenance & troubleshooting.
- Create, configure, and manage Virtual Machine using VMware.
- Use Windows Administration Tools to configure, manage, troubleshoot Windows OS, network connection and perform administrative tasks.
- Create local user account and group, configure local security & group policy, configure remote desktop connection for remote access, create System Restore Point and backup system files.
- Install and use Ubuntu Linux

Introduction to Scripting (Python)

· Use PyCharm to write basic script using Python syntax.
· Use debugger to step through the code and fix coding errors.
· Understand Intellectual Property and Copyright laws regarding program code.

Introduction to Data Collection and Analysis

· Install and use Windows Server 2016 VM and Splunk data analysis software.
· Install and use MySQL Workbench software to populate a database with SQL script.
· Identify current database vulnerabilities and data monitoring strategy.
· Detect patterns in search data and create alert on Splunk when there are any anomalies detected.

Cyber Security Fundamentals

· Research and understand cyber security framework.
· Identifying the need for cyber security and tactics, techniques and procedures used by cyber criminals.
· Utilise Cyber Security toolsets to detect, record, monitor, analyse cyber threats.
· Use technologies, processes, and procedures to defend all components of the network.
· Perform network and operating system hardening.