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EDUCATION

Diploma in Cybersecurity and Digital Forensics

Nanyang Polytechnic

2022 - 2025

O Levels

Montfort Secondary School

2018 - 2021

PSLE

Montfort Junior School

2012 - 2017

SKILLS

- Cybersecurity
- Coding
- Interpersonal Skills
- Leadership
- Critical Thinking
- Positive Attitude

Xavier Woon

Cybersecurity Enthusiast

Since young, I've been immersed into the world of IT, and it has been a big part of my life. Entering cybersecurity is my passion, and I love to keep expanding my horizons of the cyber world today. I'm an avid team player and deterministic person, able to work well with others and think critically in situations.

WORK EXPERIENCE

Cybersecurity Intern

Dec 2024 - Feb 2025

Centre for Strategic Infocomm Technologies | Science Park

- Research the given security threat.
- Research techniques and technologies which would aid in mitigating the threats.
- Design and develop a working POC security solution which neutralizes the threat effectively.
- Assess the effectiveness of security products.

Temporary IT Assistant

Jan 2022 - Mar 2022

Dimensions International College | Lowland Road

- Provided IT Support to teachers and students
- Created IT guides for teachers to use
- Supervised the loaning of IT devices and adapters for teachers
- Supported in the setting up of PCs and accounts
 - Critical thinking, IT Support, Interpersonal Skills, Analytical Skills
 - Worked with **Active Directory** system

AWARDS AND HONORS

AiSP SVRP Silver

Nov 2023

Association of Information Security Professionals (AiSP)

The Student Volunteer Recognition Programme (SVRP) aims to encourage volunteerism amongst students while developing their interest in cybersecurity.

Director's List

Sep 2022, Sep 2023

Nanyang Polytechnic

CSIT-Nanyang Diploma Scholarship

Aug 2022

Centre for Strategic Infocomm Technologies (CSIT)

The CSIT Diploma Scholarship aims to encourage and nurture talents in pursuing an education and future career in the dynamic and evolving tech industry.

CERTIFICATIONS

Certified Ethical Hacker

Apr 2023

EC-Council

Technical Support Fundamentals

Oct 2022

Coursera

TECHNOLOGIES

Languages:

- Python (Flask)
- HTML
- CSS
- Jinja

Features:

- Access Control
- Authentication

Languages:

- Same as Odlanahor

Features:

- Encryption
- Access Control
- Secure Authentication
- Content Security Policy

Languages:

- Same as Odlanahor
- Dart (Flutter)
- C++

Features:

- Authentication (Auth0)
- Encryption
- Universal Identity Management
- Data Rights Management
- Mandatory Access Control



PROJECTS

Odlanahor

Completed Feb 2022

Application Development

Developed an application as a team tackling issues faced by consumers in the world of furniture.

- Account Management
 - Create, Read, Update, Delete accounts
 - Login, logout, reset password
- Access Control - Privileged routes for Administrators

Environmeet

Completed Aug 2023

Application Security

Developed a secure application as a team, allowing environmentalists to gather and share ideas to make the world a better place.

- Account Management (2FA)
- Admin Dashboard
- Database Encryption (Fernet Cipher)
- Content Security Policy, Logging

Operation Ghostnet

Completed Feb 2024

Infocomm Security

Working as a team, we developed 2 applications, **PhantomLink** and **ShadowNine**. These applications are a proof-of-concept of secure file sharing between the military and third-party vendors, providing safety from malicious actors trying to access sensitive documents.

- Authentication via Auth0 - both apps
- Mandatory Access Control - Clearance level of user and Classification level of resource
- Prevent downloads, screenshots, etc

AFFILIATIONS

Sub-Committee Member

Mar 2023 - Mar 2025

NYP InfoSec

Assist in planning events held by NYP Infosec, such as hackathons, Capture-the-Flag events, and Youth Cyber Exploration Programme (YCEP).

WORKSHOPS

Malware Analysis

Attended June 2023

Sentinel Programme by MINDEF/SAF

- Introduction to OS and executables, black box and strings analysis
- Learn how to conduct OS fingerprinting analysis
- Learn about ethical issues on malware analysis

VOLUNTEERING

YCEP 2023

Conducted June 2023

NYP Infosec

The Youth Cyber Exploration Programme (YCEP) is an exciting cybersecurity bootcamp specially designed to get students excited about their journey towards a cybersecurity career. Presented to secondary school students on topics such as: Introduction to Cybersecurity, Python Programming.

Upcycling Workshop

Conducted Jan 2023

Capstone Programme 2022

Collaborated with a team of NYP students to educate and involve participants in saving the environment through upcycling unused clothes. Walked participants through creating their very own drawstring bags, tote bags, and denim pouches using sewing machines.



Pictures from YCEP 2023



REFEREE

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