



Ngui Jia Le

Sherlena

Student in Ngee Ann Polytechnic
School of InfoComm Technology

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EDUCATION

Cybersecurity & Digital Forensics

Ngee Ann Polytechnic

2021 - Current

Cyber & Network Security

ITE College West

2019 - 2021

Swiss Cottage Secondary School

2014 - 2018

Raffles Girls Primary School

2009 - 2014

SKILLS

Digital Forensics

-> Encase, MemProcFS, Sherloq, FTK Imager, Autopsy

Malware Analysis

-> Process Explorer, Process Monitor, RegShot, ApatеDNS, NetCat, x32dbg, IDA Pro

Programming

-> Python, C#, Java, Java Android, Kotlin, Javascript

Operating Systems

-> Linux (Parrot, Kali, Red Hat), Windows (Windows, Windows Server)

Ethical Hacking

-> Nmap, Vailyn, Nexpose, Nikto, Burpsuite, OWASP ZAP

Internet of Things

-> Arduino, AWS Services

Microsoft Administration

-> Microsoft Admin Center, Microsoft Active Directory, Microsoft Teams, Windows PowerShell

ABOUT ME

I am currently a Year 3 Student Studying in Cybersecurity & Digital Forensics.

I have a minor in Internet of Things (IOT)

I follow a methodology to **ADAPT** - Agile, Determined, Accountable, Program, Teach

Agile - I am able to quickly understand and pick up cybersecurity concepts

Determined - I am able to set my mind to a task to accomplish the given task

Accountable - I am able to be reliable and trusted to fulfill and deliver the task at hand

Program - I build projects during my free time making use of the programming languages I learnt

Teach - I conducted workshops for peers using domain knowledge that I have learnt

ADAPT - I am able to think on my feet and adjust the plans made to accommodate changes

PROJECTS

ADS Retriever

2023

Personal Project

An application that is written in Python and PowerShell which takes in the various files and file path to retrieve data within a DataStream output to a file created by the scripts

Digital Forensics Case Study

2023

Ngee Ann Polytechnic | Digital Forensics

Conducted an investigative process on evidence generated using a VM on random access memory as well as images found within the image captured of a hard drive

Real-World Malware Analysis

2023

Ngee Ann Polytechnic | Malware Analysis Tools & Techniques

Performed a Static and Dynamic analysis on the LuckyCat Malware using tools like Process Explorer, Process Monitor, RegShot, ApatеDNS, NetCat, x32dbg and IDA Pro

Web Application Penetration Testing Project

2023

Ngee Ann Polytechnic | Web Application Penetration Testing

A project using tools to perform reconnaissance, vulnerability assessment as well as exploitation of real-world websites using tools like Nmap, Vailyn, Nexpose, Nikto, Burpsuite and OWASP ZAP

Secret Square Cryptosystem

2022

Ngee Ann Polytechnic | Cryptography

A Cryptographic Algorithm consisting of Four-Square Cipher, Elliptic Curve Cryptography, Diffie-Hellman Key Exchange, Elliptic Curve Digital Signing Algorithm and AES with Galois/Counter Mode

ParaTravels

2022

Ngee Ann Polytechnic | Front End Development (HTML, CSS, JavaScript)

A game which makes use of Object Oriented Programming in Python to let 2 characters battle against each other

LEADERSHIPS & CCAS

NullSec SIG <i>Senior Advisor (AY23) Secretary (AY22) Head of Operations (AY22)</i>	2021 - Current
NullSec SIG is a Cybersecurity Special Interest Group in Ngee Ann Polytechnic. As the Secretary and Head of Operations at NullSec SIG, I manage member attendance, logistics, finances, event planning, event executions and venue bookings. Some of the larger skill events that I have assisted in the planning includes the Youth Cyber Exploration Program, and GRUCTF - NullSec One Month CTF.	
ICT Society <i>Member</i>	2021 - Current
As a member of ICT Society, I take part and help out in school related activities. Some of the events that I have helped out in includes the CSOP - Student Orientation Program for the year 1's and also the October Bonding Camp. Also as part of the newly joint development arm under ICT Society, I assisted in writing the proposals for special projects team.	
Touch Rugby <i>School Team</i>	2021 - 2023
As a member of the school team in Touch Rugby, I have taken part in the National Touch League in Singapore and have been given the opportunity to represent the school in the POL-ITE Competition between the various Polytechnics and ITE. I also assist in the teaching of the year 1 members and guide them on the rules in the sports and the teaching of the team strategies.	

AWARDS

CSIT Diploma Scholarship	AY2022
Director's List for Excellent Academic Performance	Sem 1.1 (AY2021)
Second Most Outstanding Performance for Diploma	Sem 1.1 (AY2021)
Best Performance in Modules	
Design Principles	Sem 1.1 (AY2021)
Cybersecurity Fundamentals	Sem 1.1 (AY2021)
AISP Student Volunteer Recognition Program	
Silver	2020 - 2022
Bronze	2019
Government Awards	
Edusave Award for Achievement, Good Leadership and Service (EAGLES)	2020 - 2021
Edusave Certificate of Academic Achievement	2021
Edusave Skills Award	2021
Edusave Character Award	2020
Edusave Merit Bursary	2020
COM for HNITEC in Cyber and Network Security	2021

EVENTS PARTICIPATED

CYBER:100	2023
ICL COLLEGIATE CUP	2023
Sentinel Program	2022 - 2023
Shopee Code League	2022
brainhack (DSTA Cyber Defenders Discover Camp)	2021 - 2022
HTX Investigators' Challenge	2021
SG Cyber Olympians Selection Trial	2021
11th Singapore Cyber Conquest	2021

COMMUNITY SERVICE

Lag n Crash 3.0

April 2023

Lag n Crash

I curated a question for the Capture-The-Flag competition on alternate Data Stream.

On top of helping to curate the question, I also helped out in the logistics planning and the management of the stage crew on the dry run as well as the actual day of the event.

Outreach with Pathlight School

November 2022

Ngee Ann Polytechnic

As part of the planning committee within the class, I assisted in the overall planning of event timeline, manpower, planning of route, collaboration with external party's, design of souvenirs and some content planning for the python workshop.

The program consisted of icebreakers, python workshop and a campus tour of Ngee Ann Polytechnic.

Youth Cyber Exploratory Program

June 2022

Ngee Ann Polytechnic & Cyber Security Agency of Singapore

As one of the IC's for the Program, I tended to all Administrative emails and attendance of participants and overall planning of the event.

I also aided in the content curation and teaching of the Cryptography portion and the curation of CTF challenges for the participants.

Outreach with Serangoon Secondary School

March 2022

Ngee Ann Polytechnic

As part of the planning committee within NullSec, I assisted in the content planning of what are some demonstration that can be presented during the outreach session. The team decided to present on Rogue Wi-Fi and beEF.

Ngee Ann Polytechnic Open House

January 2022

Ngee Ann Polytechnic

I assisted with the Setup and the demonstration of what could happen if a file embedded with malicious content is executed.

I presented to the various group and shared more about the diploma in Cybersecurity & Digital Forensics.

WORK EXPERIENCE

IT Support Specialist

2019 - 2022

Axiom IT Solutions | Singapore

As an IT Support Specialist, I handle customer's general queries, technical enquiries, technical troubleshooting, software setup and the operations of the business. Some skills I have learnt from working in Axiom IT Solutions includes, perseverance from learning how to do cold-calling, problem solving from having to answer customer's technical enquiries spontaneously.

REFERENCES

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