EUGENIO
MANANSALA

I am a purpose-driven individual, striving to create solutions that benefit society. I possess comprehensive knowledge about cybersecurity, with a strong interest in digital forensics, cryptography, and malware analysis. I am looking to secure a role in the forensics and cybercrime industry.

EXPERTISE

Digital Forensics

Mobile Device Forensics

C, Python, x86 ASM Proficiency

JavaScript, C# Knowledge

Reverse Engineering

Cryptography

Web App Penetration Testing

Cisco Networking

Creativity

Adaptability

Teaching Skills

CERTIFICATE

Certified Data Analyst Associate (ID: H989-1518)

Microsoft
2021

CONTACT

https://egg-fish.github.io/my-site/

EDUCATION

2021 - 2024   **Ngee Ann Polytechnic**

Diploma in Cybersecurity & Digital Forensics
GPA: 3.88/4
Academic Awards:
- Director's List AY2021/22
- E.P.I.C Award

Modules with Distinctions:
- Computing Mathematics (Sem 1.1)
- Networking Infrastructure (Sem 2.1)
- Digital Forensics (Sem 2.2)

2017 - 2020   **Xinmin Secondary School**

GCE O Level Certificate
L1R5: 10 (-2)
L1R4: 7 (-2)
CCA Grade: Excellent

WORK EXPERIENCE

Feb 2022 -   **Temporary Operator**
Apr 2022

Orient Technology (S) Pte Ltd

Involved with the quality control of commercial-grade batteries using hardware battery testers and Microsoft Excel for record-taking. Assisted in the assembling and packing of products, and other ad-hoc duties.

Dec 2020 -   **Lab Intern**
Jan 2021

Bestlabs Singapore Pte. Ltd.

Assisted in the calibration and measurement of callipers, height and depth gauges, and micrometres. Stored, packed, and labelled mechanical equipment for various laboratories.

EXPERIENCE

NullSec SIG

NullSec SIG is the cybersecurity club of Ngee Ann Polytechnic. NullSec aims to be an avenue for cybersecurity enthusiasts to connect and learn with one another, regardless of academic course.

As a **Technology Lead**, I had the opportunity to conduct multiple workshops for the members about **reverse engineering** and **web application penetration testing using Burp**. as well as receive training from external organisations such as RedHat.

Responsibilities
- **Conduct workshops** on a monthly basis
- Support EXCO during **flagship events**, such as YCEP and Lag'N'Crash
- Create and manage the **NullSec website**
    - https://nullsecsig.com/#/

Xinmin Chorale

During my secondary school, I was part of the Xinmin Chorale, an esteemed choir that is well-known for their high standards and a ongoing streak of Distinctions for the Singapore Youth Festival.

I took on the role of a **sectional leader** to contribute my skills to the chorale. This includes my technical skills in music and my ability to teach my peers effectively. As the SL, I also had to assist with attendance-taking and the planning of CCA camps.

Through this CCA, I experienced tremendous growth in my confidence and my communication skills. I am able to convey the complex, theorethical concepts I learnt in various workshops into a digestible form for my peers and co-leaders to understand.

COMPETITIONS

2023

Lag'N'Crash 3.0
Polytechnics across Singapore

Position - **Challenge Creator** + **Tech Support**

After participating in CTF competitions, I wanted to give back and support the organizers who have made these competitions memorable.

As a challenge creator, I was tasked to create challenges within the Web and Forensics domain. Some concepts that I have employed for my challenges include:
- Server-Site Template Injection
- Insecure Direct Object Reference
- John the Ripper
- File Header Corruption
- LSB Steganography

During the event itself, I handled support tickets sent by participants. To prepare for this role, I spent time to learn about the infrastructure that the platform was hosted in. I learnt the basics of Terraform and managing Docker containers by the command line.

Overall, becoming a challenge creator for Lag'N'Crash nudged me to think creatively and outside-the-box. I gained plenty of new technical skills, as well as improved my communication skills through tech support.

2022

Singapore Cyber Conquest
Singapore International Cyber Week

The SCC is a half-day competition against teams from across ASEAN. We used Splunk Enterprise Security, along with a suite of open-source tools, to solve challenges based on real-world scenarios.

2021

Cyber Defenders Discovery Camp
DSTA Singapore

Position - **10th**

The CDDC capture-the-flag competition is open to all tertiary students in Singapore. In my very first CTF competition, I was solving challenges mainly in the reverse engineering and forensics category

SP Gryphons CTF
Singapore Polytechnic

Position - **3rd**

During this 48-hour capture-the-flag competition, I worked as an individual team to challenge myself and see which areas of cybersecurity I need to work on.