

Ecio Sim

Singapore | 98431129 | eciosimxd@gmail.com | <https://www.linkedin.com/in/ecio/>

EDUCATION

Nanyang Polytechnic

Singapore

Diploma in Cybersecurity & Digital Forensics

Graduation Date: Apr 2026

- Coursework: Software Engineering, Networking, Web Development, Databases, Computer Forensics
- Organisations/Awards: NYP InfoSec SIG, Director's List, AiSP SVRP Bronze

WORK EXPERIENCE

Nullspace Robotics

Singapore

STEM Educator

Aug 2023 - Present

- Conducted the Computer Enrichment Program at GEP schools with classes of over 40 students
- Taught 200+ students with 80% achieving distinctions or better in their tests/certifications
- Furthered my own knowledge of Computer Science through the teaching of 5 different platforms to students
- Applied knowledge of the different platforms to get qualified to teach 2 additional types of classes

Core Skills: Python, SPIKE Prime, microbit, Robotics, Customer Service, Education, Curriculum Development

XYLANS

Global

Lead Developer

Jan 2021 - Jan 2022

- Developed multiple tools that boosted hit rates of players by 40%
 - Integrated with numerous RESTful APIs seamlessly to achieve 1,000,000+ messages in 4 months
 - Coordinated with fellow developers to boost productivity by 30% measured by rate of completion
- Core Skills: JavaScript/TypeScript, Node.js, MongoDB, Git, Linux, Project Management

PROJECT EXPERIENCE

XYLANS

Global

caranx

Jan 2021 - Jun 2021

- Developed a statistics tracker that concurrently tracked over 100 players
- Tackled unawareness of statistics by procedurally generating customized infographics
- Ensured project adhered to all policies outlined by respective APIs

Nullspace Robotics

Singapore

IDE Code Hacker 2025

Jan 2025 - Feb 2025

- Authored 4 questions tailored to secondary school students ranging in difficulty
- Liaised with teammates to proofread question bank
- Developed exhaustive test cases to cover the questions

Nanyang Polytechnic

Singapore

Application Security Project

Apr 2024 - Aug 2024

- Developed admin dashboard which covers the entire site
- Set up development environment and ensured secure coding practices were in place
- Attained the Outstanding Project Award

LEADERSHIP EXPERIENCE

NYP InfoSec SIG

Singapore

Subcommittee Member

Mar 2024 - Present

- Authored 2 challenges for the June CTF specializing in web
- Provided technical support for CTFs
- Student Lecturer for YCEP24 focusing on Linux

SKILLS AND INTERESTS

Skills: Python, JavaScript, TypeScript, Rust, Ethical Hacking, Flask, MySQL, SQLite, MongoDB, Git, GitHub

Interests: Low-level programming, Rust, Digital Forensics, Web Development, Project Management, Fishing

CERTIFICATES

Certified Ethical Hacker (CEH) – EC-Council