

Joshua Foo

+65 88011326 | joshua.foo@u.nus.edu | [linkedin.com/in/sg-incognito](https://www.linkedin.com/in/sg-incognito) | github.com/sg-incognito

EDUCATION

National University of Singapore <i>Non-Graduating Non-Exchange Student, School of Computing</i>	Singapore Aug. 2023 - Present
Raffles Institution <i>GCE A Levels</i>	Singapore Jan. 2021 - Dec. 2022
School of Science and Technology <i>GCE O Levels</i>	Singapore Jan. 2017 - Dec. 2020

EXPERIENCE

Cyber Specialist <i>Ministry of Defence, Defence Cyber Organization</i>	May 2023 - Present Singapore
<i>Cyber Specialist (Cyber Threat Intelligence)</i>	May 2024 - Present
<ul style="list-style-type: none">Translated Cyber Threat Intelligence (CTI) reports and raw data into actionable intelligenceDeveloped tools for bulk enrichment of Indicators of Compromise (IOCs)Authored reports on malware samples for actionable intelligence	
<i>Cyber Specialist (Digital Forensics and Audit)</i>	Feb 2024 - May 2024
<ul style="list-style-type: none">Conducted Cyber Audits and DFIR on SAF IKC2 SystemsPerformed Incident Response and Malware Analysis in a Cyber Exercise	
<i>Cyber Specialist Cadet</i>	May 2023 - Feb 2024
<ul style="list-style-type: none">Completed Cisco Certified Network Associate (CCNA) Training on NetAcadBest Trainee and Best in Knowledge for 14/23 CDOC	
Intern <i>Centre for Strategic Infocomm Technologies</i>	Jan. 2023 - Mar. 2023 Singapore
<ul style="list-style-type: none">Wrote and presented a literature review evaluating the Post Quantum Cryptography (PQC) Candidates from the 3rd Round of NIST's PQC Selection Process to CSIT's Cryptography Team	
Intern <i>Infineon Technologies</i>	June 2019 Singapore
<ul style="list-style-type: none">Learnt and applied physics concepts such as the hall effect to build a custom <i>Arduino</i> remote controllerBuilt a robot using <i>EV3 Lego Mindstorms</i> and piloted it using the custom remote controller	

PROJECTS

GPTutor <i>Python, HTML/CSS, Javascript, Flask, Sqlite3, FastAPI, GPT 3.0</i>	Jan. 2023 - Apr. 2023
<ul style="list-style-type: none">Developed a full-stack web application using Flask serving FastAPI with as the frontendOptimized and Parsed Results from the GPT 3.0 Model for better integration with the applicationUsed Sqlite3 for user login and storage of user data	
Survey Scan <i>Python, pandas, Numpy, Matplotlib, Kivy</i>	Feb. 2020 - Dec. 2020
<ul style="list-style-type: none">Developed a Python Cross-Platform GUI Application using KivyImplemented simple data analysis for MCQs and Sentiment Analysis for Open-Ended Questions using NumpyGraphed and displayed results from Numpy using Matplotlib	

NOTABLE ACHIEVEMENTS

Professional Certifications

- Offsec Certified Professional (OSCP)
- App Development with Swift Level 1
- CCNA: Introduction to Networks

Capture the Flag (CTF) Competitions

- **Cyber SEA Games 2024:** 1st Place
- **Cyber Defenders Discovery Camp 2024:** 1st Place
- **Cyber:100 2023:** 3rd Place (Individual Event) and 2nd Place (Team Event)
- **Stack the Flags 2022:** 4th Place
- **HTX Investigators' Challenge 2021:** 2nd Place

Hackathons

- **Hack&Roll 2023:** Top 8 Hacks
- **Microsoft Imagine Cup Junior 2020:** 1st Runner Up

Competitive Programming

- **Bebras 2021:** Exemplary Certificate (Gold Award)
- **Oxford University Computing Challenge 2020 (Challenge Round):** Gold Award

Others

- **Swift Accelerator Program (Pioneer Batch):** Certification of Achievement
- **Global Cybersecurity Camp (GCC) 2021:** Certification of Achievement
- **AiSP Student Volunteer Recognition Program 2022:** Certificate of Merit