

# GADIEL LAU

+65 8286 8788 | [gadiellaurz@gmail.com](mailto:gadiellaurz@gmail.com) | <https://linktr.ee/gadlau>

## PROFESSIONAL SUMMARY

Cybersecurity professional with hands-on experience in CTI, IOC/TTP analysis, and threat hunting across military and critical infrastructure. Contributed to IT/OT security at Singapore's National Water Agency. NTU Cybersecurity Master's candidate with a strong passion for CTI, OSINT, and digital forensics. Highly analytical, resourceful, and self-driven, with a strong track record in CTF competitions. Committed to applying technical expertise and investigative skills to proactively identify threats, track adversary behaviour, and strengthen national cyber defence.

## SKILLS & COMPETENCIES

- **Threat Detection & Analysis:** IOC/TTP analysis, threat modelling, digital forensics, malware analysis, intrusion detection (host/network-based)
- **Frameworks:** MITRE ATT&CK, D3FEND, STRIDE-LM, Cyber Kill Chain, NIST CSF, ISO/IEC 27001, OWASP Top 10
- **Tools:** Tenable Nessus, Maltego, Shodan, Burp Suite, FTK Imager, Volatility, Autopsy, Pestudio, UPX, oletools, Wireshark, NetworkMiner, Snort, ELK Stack, Splunk (Full list: [gadiei-lau.gitbook.io/tech-tools](https://gadiei-lau.gitbook.io/tech-tools))
- **Programming & Scripting:** Python, Java, C++, SQL, PL/SQL, HTML, CSS, JavaScript, Golang, AutoIt, VBA
- **Cloud & DevSecOps:** AWS, Azure, Docker, Nessus, SonarQube, Snyk
- **Certifications:** CompTIA Security+, CCNA 1, OSCP (In Progress), CISSP (In Progress)
- **Soft skills:** Organized, detail-oriented, resilient, collaborative, resourceful, good problem-solving skills

## WORK EXPERIENCE

### **PUB, Singapore's National Water Agency - InfoTech & Digital Transformation Department** May 2024 – Ongoing **Cybersecurity Analyst (Security Architecture & Testing)**

- Analysed attack patterns and adversary TTPs during a purple team exercise with EDR solution and MITRE ATT&CK
- Monitored security vulnerabilities and Indicators of Compromise (IOCs) using security and threat intelligence platforms
- Supported cybersecurity tabletop exercise using MITRE ATT&CK tools and Qlik Sense to map attacker behavior
- Utilized ELK Stack during CIDEX 2024 training to investigate anomalies and support threat hunting across OT systems
- Supported incident response investigations as IR backup, analyzing suspicious activities and potential threats
- Conducted technical risk assessments for numerous mobile apps using the Mobile Threat Defense (MTD) platform
- Configured and managed vulnerability assessment scans using Tenable Nessus, ensuring continuous coverage
- Secured annual VAPT contract via GovTech Bulk Tender, ensuring continuous coverage and vendor coordination
- Championed PUB's first OT Cyber Supply Chain Risk Management policy and internal awareness materials

### **The Digital and Intelligence Service - Officer Cadet School**

Jun 2023 – Feb 2024

#### **C4X (Cyber) Senior Military Expert Trainee**

- Led cyber exercise applying Cyber Kill Chain and MITRE ATT&CK to analyze attacker TTPs and recommend mitigation
- Ranked top in cohort on Linux, CCNA 1 and technical assessments with perfect scores
- Developed a steganography program incorporating AES and RSA encryption techniques
- Completed specialized training in Cyber Defence, OSINT, Data Analytics, Artificial Intelligence, and Electronic Warfare
- Instructed Python programming sessions for trainees, imparting foundational coding skills
- Managed platoon of 23 personnel as Company Platoon Commander during Service Term

## EDUCATION

### **Nanyang Technological University - Master of Science in Cyber Security**

Aug 2024 – Apr 2026

- Active Member of NTU Cybersecurity Club, participated in CTFs and technical training

(expected graduation)

### **University of Wollongong (SIM GE) - BCompSc (Cybersecurity) with Distinction**

Oct 2020 – Mar 2023

- Top graduate, awarded IRAS Silver Award and Dean's Merit Award

## ACHIEVEMENTS

### **Cybersecurity Competitions & Trainings**

Aug 2020 – Jul 2024

- Top 3 in Singapore Cyber Day Quiz 2021 | Grand Prize Winner – CSIT Challenge of Wits 2022 | Consistently top-ranked in DSTA Brainhack CDDC Training (2021–2024)
- Competed in over 50 CTFs, documented technical writeups: [gadiei-lau.gitbook.io/ctf-writeups](https://gadiei-lau.gitbook.io/ctf-writeups)