DON LOO BOON KIAT

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EDUCATION

COVENTRY UNIVERSITY — ***Singapore***
BSc (Hons) Cyber Security — **Jul 2025 - Oct 2026 (Expected)**

ACADEMIC PROJECTS

Digital Forensic Investigation | 2025
Computer Forensics Coursework, Coventry University
- Investigated two E01 disk images in a simulated ATM card-skimming case using Autopsy, FTK, and MD5 hash verification.
- Recovered deleted and encrypted evidence, linked emails, attachments and metadata to identify four suspects and reconstruct the timeline.
- Produced a formal forensic report with evidence tables, hash records, and timeline documentation.

Secure Peer-to-Peer Messaging Application | 2026
Cryptography Coursework, Coventry University
- Developed a Python peer-to-peer chat application using X25519 key exchange, AES-256-CBC and HMAC-SHA256 for end-to-end encryption.
- Implemented controls designed to support forward secrecy and mitigate man-in-the-middle and replay attacks; compared encrypted and unencrypted traffic using Wireshark.
- Modelled security guarantees using propositional logic to validate protection assumptions.

MatchPoint – Vulnerable vs. Hardened Web Application | 2026
Secure Programming Coursework, Coventry University
- Built two functionally identical Flask/SQLite applications, one vulnerable and one hardened, demonstrating and remediating six OWASP Top 10 issues including SQL injection, IDOR, stored XSS, and plaintext password storage.
- Performed STRIDE threat modelling and used Bandit static analysis plus manual dynamic testing to validate vulnerabilities and confirm remediation effectiveness.

VoicingOut – AI Voice-Clone Scam Detection | 2026
BSc (Hons) Cyber Security Final Year Project - In Progress
- Designing an audio-deepfake detector using MFCC/LFCC feature extraction and SVM classification, benchmarked against ASVspoof 2019, with a companion family-verification application.
- Applying STRIDE threat modelling and privacy-by-design principles throughout the system design.

WORK EXPERIENCE

SINGAPORE POLICE FORCE — **Singapore**
NS Operations Support Officer — **May 2023 - May 2025**
- Managed onboarding, promotion, and course-attendance records across multiple personnel intakes, maintaining accurate documentation under established procedures and deadlines.
- Coordinated cohesion activities and ORD ceremonies, managing logistics across multiple stakeholders.

REALITY RIFT ARENA — **Singapore**
Part-Time LAN Gaming Staff — **May 2022 - Sep 2022**
- Provided customer service and technical troubleshooting for gaming systems and equipment in a fast-paced environment.

CERTIFICATIONS & ADDITIONAL ACTIVITIES

GOOGLE CYBERSECURITY PROFESSIONAL CERTIFICATE | 2025 Coursera
- Completed training covering cybersecurity foundations, threat detection, network security, incident response, Python, Linux, SQL, and security practices.

CISCO INTRODUCTION TO CYBERSECURITY | 2026 Cisco
- Completed introductory training in cybersecurity principles, common cyber threats, network security, data protection, and safe online practices.

HOME TEAM COURSES | 2023 SUSS
- HTA002x: Home Team Ethos, Values and Ethics; HTA001x: Operating as One Home Team.

TECHNICAL SKILLS & LANGUAGES

Digital Forensics: Autopsy, FTK (Forensic Toolkit), evidence acquisition, MD5 hashing, chain of custody, forensic reporting, timeline reconstruction, John the Ripper
Cybersecurity: Wireshark packet analysis, STRIDE threat modelling, OWASP Top 10, Bandit static analysis, manual vulnerability testing, secure programming
Programming & Tools: Python, Flask, SQLite, X25519, AES-256, HMAC-SHA256, Visual Studio Code, MS Excel, MS Word, MS PowerPoint
Professional: Technical report writing, evidence documentation, analytical problem-solving, attention to detail, time management, communicating technical findings
Languages: English (Fluent), Mandarin Chinese (Intermediate), Korean (Basic), Hokkien (Basic)