Phyo Wai Lin

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SUMMARY

Fresh Computer Science graduate with **Distinction** from the University of Wollongong, specialising in Cyber Security. Possesses strong expertise in penetration testing, network security, and software development. Demonstrated through hands-on projects and certifications from TryHackMe. Known for exceptional problem-solving skills, effective communication, and a commitment to continuous learning in the rapidly evolving field of cybersecurity.

EDUCATION

University of Wollongong Australia 2022 - 2024
Bachelor of Computer Science (Cyber Security) - Graduated with Distinction
Weighted Average Mark - 84.88 **|** CGPA - 3.87

Singapore Institute of Management 2021 - 2022
Diploma in Information Technology
CGPA - 3.875

SKILLS

Technical Skills: Penetration Testing, Ethical Hacking, Network Security, Information Security, Cryptography, Vulnerability Assessment, Vulnerability Scanning, Threat Analysis, Reverse Engineering, Incident Response, SIEM, ISO 27001, Web Application Security, OWASP Top 10, Software Testing, Linux, Analytical Skills, Python, Django, Java, C++, HTML, CSS, JavaScript, MySQL, PostgreSQL, Database Design, Docker, Git, Gitlab, AWS (in progress)

Soft Skills: Problem Solving, Effective Communication, Critical Thinking, Attention to Detail, Project Management, Team Collaboration, Adaptability

CERTIFICATES

ISO/IEC 27001:2022 INFORMATION SECURITY ASSOCIATE™ (SkillFront)	2024
FOUNDATIONS OF BUSINESS AND ENTREPRENEURSHIP (SkillFront)	2024
SOC Level 1 (TryHackMe)	2024
Jr Penetration Tester (TryHackMe)	2024
Introduction to Cyber Security (TryHackMe)	2024
Pre Security (TryHackMe)	2024
Shields Up: Cybersecurity Job Simulation (AIG/Forage)	2024
Certificate of Commendation (Singapore Institute of Management)	2022
BUS401: Management Leadership (Saylor Academy)	2021

PROJECTS

Electronic Voting System for Singapore General Election (ElectSG) Apr 2024 - Sep 2024

Developed a secure E-Voting System with a team of five using linkable ring signatures and ring confidential transactions to ensure voter anonymity and secure, verifiable voting.

- **Penetration Testing & Security**: Conducted comprehensive web penetration testing, identifying and mitigating vulnerabilities, resulting in enhanced system security.
- **Backend Lead**: Designed and implemented key backend features using Django and PostgreSQL.
- **Cryptography**: Developed critical cryptographic components (range proofs, commitments) in C++ for secure vote validation.
- **Authentication**: Integrated Singpass Login for voter authentication and two-factor authentication for admins and candidates.
- **Testing**: Developed and executed unit and integration tests for Django and cryptographic functions.

Methodology: Utilised Hybrid (Agile + Waterfall) for development, with Taiga.io for management.
Achievement: Successfully delivered the project, achieving a final score of 80/100 (Distinction).

Cafe Staff Management System Oct 2023 - Dec 2023

Developed a robust desktop application as the lead programmer in a team of six, streamlining cafe operations by enabling managers to manage staff and work allocations, and allowing staff to book preferred shifts.

- **System Design**: Created the overall system architecture, including database and class diagrams, resulting in an efficient and scalable solution for staff management and work slot allocation.
- **Backend Lead**: Designed and implemented the majority of backend functions using Python and MySQL, following the BCE framework.
- **Front-End Contribution**: Developed parts of the front-end using Tkinter for the GUI to enable user-friendly interaction.
- **Testing**: Performed comprehensive unit testing to ensure functionality and reliability of backend processes.

Methodology: Utilised Agile for development, with Taiga.io for project management.
Achievement: Led development and system design, resulting in a final project score of 36.5/40 (High Distinction).

Digital Food Ordering System at Hawker Center Jan 2022 - Mar 2022

Developed using Java, the Digital Food Ordering System is tailored specifically for Hawker Centers, revolutionizing the traditional food ordering experience. This system provides customers with the convenience of browsing through various food stalls and their menus digitally, eliminating the need for physical menus and reducing wait times.
