Dylan Liew Hock Cong

dylanliew0503@gmail.com | dylan-liew.github.io | linkedin.com/in/dylan-liew/

EDUCATION ——

National University of Singapore (NUS)   *Aug 2024 —— Aug 2028 (Expected)*

- Bachelor of Computing in Computer Science

Nanyang Polytechnic (NYP)   *Apr 2019 —— Mar 2022*

- Diploma in Cybersecurity and Digital Forensics [GPA: 3.88 / 4.0]
- Admitted to Director's List:
  - 2020/2021 Semester 1
  - 2021/2022 Semester 2
- Awarded scholarship of Trailblazer ASEAN Scholarship 2021,
- Relevant Modules: Malware Analysis, Foundation of AI, Software Engineering, Digital Forensics Process, Infocomm & Network Security, Machine Data Analytics & Operational Intelligence (Splunk)

WORK EXPERIENCES ————————————————————————————————

Ernst & Young Singapore   *May 2021 —— Aug 2021*

Full Time | IT and Tax Intern

- Review financial statements and prepared tax package ensuring compliance with regulatory standards.
- Revamped SharePoint Site to enhance user navigation and optimized document management, resulting in improved team collaboration and efficiency.
- Implemented Daily Staff Attendance Notification with Microsoft Power Automate streamlining attendance tracking.

PROJECTS ——

DevSecOps with Gitlab

- Simulated DevSecOps pipelines for projects including Android, Node.js, and Python applications.
- Automated CI/CD processes for building, testing, security analysis (SAST, DAST), and deployment.
- *Tech Stack: GitLab, Docker, CI/CD Pipelines*

Cyber Attack & Defense Simulation

- Configured vulnerable virtual machines to simulate cyberattacks (SambaCry, Heartbleed, brute force)
- Implemented defense mechanisms such as PFsense firewall, Ansible automation, and Splunk for monitoring.
- *Tech Stack: Networking, OS Management, PFsense, Ansible, Splunk, Apache, OpenSSL.*

Data Security Toolkit - Cultisk

- Built a Data Security Toolkit as an Electron desktop app with a Python backend and Vue.js UI.
- Utilized JSON-RPC with Python Flask Restx for efficient communication between frontend and backend.
- *Tech Stack: Python, Electron, Flask Restx, Vue.js,*

Secure API Development - Cybernetic

- Designed and developed a secure API for an eCommerce platform using Python Flask Restx, SQL, and AWS.
- Conducted static and dynamic code analysis using Bandit and OWASP ZAP to ensure security.
- *Tech Stack: Python Flask Restx, SQL, Postman, AWS, Bandit, OWASP ZAP*

Web Application Development - Eclectic

- Developed an eCommerce web application for online electronic products using Python Flask.
- Enabled users to browse and order products seamlessly through the web interface.
- *Tech Stack: Python Flask, Shelve, HTML, CSS.*

SKILLS ——

- **Language:** English (Native), Chinese (Proficient)
- **Computing Skills:** Software Engineering, Cisco Networking, OS Management (Linux/Windows), Cybersecurity, Digital Forensics, Database Management
- **Interest:** Badminton, Basketball, Capture the Flag