ANDRE CHIA

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EDUCATION

National University of Singapore (NUS)   **Aug 2023 – May 2026**
- Bachelor of Computing (Computer Science), Honours

Nanyang Polytechnic, Singapore   **Apr 2018 – Apr 2020**
- Diploma with Merit in Cybersecurity & Digital Forensics (GPA 3.97/4)
- Singapore Computer Society (SCS) Outstanding IT Youth Achievement Award
- CSIT-Nanyang Scholarship
- Global Korea Scholarship

TECHNICAL SKILLS

- **Programming Languages:** Python, Javascript, Java, C#, HTML & CSS
- **Software Engineering:** React, NodeJS, React-Native, JavaFX, Angular, GatsbyJS, SQL, ASP.net, ELK Stack, Database Systems, Data Structures & Algorithms, MongoDB, Git, Github
- **Cybersecurity:** Bash, Malware Analysis, Digital Forensics, Computer Networking, Computer Organisation, Network Security, Application Security, Cryptography Applications, Operations Security, Log Analysis, Wazuh, Grafana, Loki, Prometheus, Linux

WORK EXPERIENCE

Hydra X, *Cybersecurity & Technology Intern*   **May 2024 to Present**
- Conducted Vulnerability Assessment Penetration Tests (VAPT) on internal infrastructure and crafted detailed reports on identified security flaws, providing actionable remediation recommendations
- Monitored and investigated the security architecture and posture across multiple fintech systems, services, and custody exchanges

OurCodeLab, *Cybersecurity Specialist (Contract)*   **May 2024 to Present**
- Executed various Vulnerability Assessment Penetration Tests (VAPT) on different diverse infrastructures for multiple clients
- Developed and implemented full-stack solutions and setup a detailed logging system for our internal cloud architecture with Grafana, Loki, Prometheus and Wazuh

Cyber Security Agency (CSA) Singapore, *Cybersecurity Research & Development Intern*   **Mar 2021 – Jun 2021**
- Enhanced cyber threat response by improving threat analysis processes leading penetration tests to reduce system vulnerabilities by 20%
- Presented weekly cybersecurity intelligence reports for a team of 8 analyzing emerging threats and enhancing monitoring efficiency and threat detection

Centre for Strategic Infocomm Technologies (CSIT), *Exploit Development Intern*   **Sep 2020 – Dec 2020**
- Advanced our approach towards iOS application security by conducting targeted research on critical vulnerabilities in Instant Messaging applications
- Engineered targeted exploits on the iOS platform to fortify application defenses against emerging cyber attacks

PROJECTS

Fake News Detection Browser Extension
- Assembled a team of 4 to participate in the Microsoft Imagine Cup focusing on innovative solutions to protect elderly against advancing cybersecurity threats
- Engineered a sophisticated machine learning algorithm to extract text off a webpage to detect fake news with 95% accuracy

Telegram Book-In Bot
- Developed a Telegram Bot in Python with MongoDB and hosted it on Heroku to track the locations and status of over 300 soldiers in an Infantry Company

MISCELLANOUS

Offensive Security Certified Professional (OSCP)
Certified Ethical Hacker (CEH)
NUS StartIT (Technopreneurship Society)
NUS Boxing Fight Team