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

WORK EXPERIENCE

OurCodeLab, Cybersecurity Specialist (Contract)   May 2024 – Present
- Executed various Vulnerability Assessment Penetration Tests (VAPT) on different diverse infrastructures for multiple clients
- Developed a full stack React native application for local Singaporean companies using Sequelize, Express.js, React and Node.js

Hydra X, Cybersecurity Specialist (Contract)   May 2024 – Dec 2024
- 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

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 our internal team, analyzing emerging threats and enhancing monitoring efficiency and threat detection

Centre for Strategic Infocomm Technologies (CSIT), Exploit Development Intern   Sep 2020 – Dec 2020
- Spearheaded research efforts to identify critical vulnerabilities in iOS Instant Messaging applications, focusing on advanced application security techniques
- Developed and executed targeted exploits to assess vulnerabilities in specific iOS applications

Scantist, Research Study Intern   Apr 2020 - May 2020
- Improved the efficiency of data retrieval from their database of Common Vulnerabilities and Exposures (CVE)
- Assisted in developing in-house tools to predict vulnerable libraries used by applications given their vulnerability descriptions using fuzzing

TECHNICAL SKILLS

- **Programming Languages:** Python, Javascript, Java, C, HTML & CSS
- **Software Engineering:** React, NodeJS, React-Native, SQL, Elasticsearch, Grafana, Wazuh, Database Systems, Data Structures & Algorithms, ExpressJS, Git
- **Cybersecurity:** Bash, Malware Analysis, Digital Forensics, Computer Networking, Computer Organisation, Network Security, Application Security, Cryptography Applications, Operations Security, Log Analysis

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 machine learning algorithm to extract content off a webpage to detect fake news with 95% accuracy

ADDITIONAL EXPERIENCE

Offensive Security Certified Professional (OSCP)

Certified Ethical Hacker (CEH)

European Cybersecurity Challenge 2024 – Team Singapore

NUS Greyhats (Information Security Interest Group)