

NICHOLAS YAP CHEE ANG

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EDUCATION

National University of Singapore

Aug 2023 - Aug 2027

Bachelor of Computing in Information Security

- Second Major in Mathematics
- Current Year 2 Undergraduate
- GPA: 4.61 / 5

SKILLS

- Cybersecurity: Network Security, Cryptography, Digital Forensics
- Cybersecurity Tools: BurpSuite, Wireshark, GDB
- Programming: Java, Python, C++, C
- Web Development: HTML, CSS
- Database Management: MySQL, PostgreSQL, SQLite
- Soft Skills: Leadership, Public Speaking, Problem Solving
- Statistical Analysis Tools: Radiant, Microsoft Excel

PROJECTS

PassManager

May 2024 - Aug 2024

- Developed an online web application with a partner to store over 10,000 passwords with AES encryption, along with login / logout capabilities. Website: <https://cyrolite.pythonanywhere.com/>

Packet Sniffer

Dec 2024 - Present

- Created an application to sniff over thousands of packets, capturing Ethernet, IP, TCP, and UDP packet details in real-time.

Scooby Chatbot

Jan 2025 - Feb 2025

- Created an off-line local task chatbot to assist user's with keeping track of over 100 of tasks.
- Wrote over 1000 lines of code, including test code as well as functional code.

CollabSync

Feb 2025 - May 2025

- Led a team of 4 to engage in a brownfield project of creating a functional address book for NUS students.
- Coordinated weekly meetings with team to ensure tasks are completed on time.

CO-CURRICULAR ACTIVITIES

Acronis Capture the Flag (CTF) Competition, Team Leader

Dec 2023 - Dec 2023

- Led a team in tackling over 10 advanced cybersecurity challenges, including reverse engineering, cryptography, and network analysis.
- Divided tasks among 5 team members, resulting in efficient problem-solving and high team performance.

STANDCON Capture the Flag (CTF), Member

Dec 2023 - Jan 2024

- Competed in a competitive CTF event, solving over 10 challenges in digital forensics, binary exploitation, and web vulnerabilities.

ADDITIONAL COURSES

- Computer Forensics Fundamentals
- The Complete SQL Bootcamp: Go from Zero To Hero
- Cryptography and Hashing Fundamentals in Python and Java
- Intro to Machine Learning
- Getting Started with AWS Services Fundamentals for Beginners

HOBBIES AND INTERESTS

- Proficient in C, C++, Python, Java, HTML, Flask and SQL
- Capture the Flag competitions

- Proving mathematical concepts
- Cycling
- Jogging

VOLUNTEER EXPERIENCE

Project Dawn, Leader

May 2024 - Present

- Starting up a volunteer organisation along with friends to raise awareness of cyber security.

Malay Activity Executive Committees Council, Mentor

Feb 2023

- Guided over 10 students every Sunday in Bukit Batok Community Centre.

EXPERIENCE

SmileTutor Pte. Ltd., Part-Time Tuition Teacher

Nov 2022 - Present

- Developed effective teaching methods for more than 5 students to better understand concepts.
- Acquired effective oratorical skills and effective note-taking skills for 2 students.
- Managed to help 3 students acquire a grade of B or higher for O Level Additional Mathematics, Mathematics and Physics.

SATS-Creuers Cruise Services, Part-Time Customer Service Flexi Associate

Feb 2023 - Aug 2023

- Handled over 200 luggages for departing local and overseas passengers boarding cruise.
- Provided effective and seamless customer service to over 3000 passengers regarding arrival to Singapore.
- Documented over 200 lost-and-found records for arrival and departure passengers.
- Demonstrated effective communications with team leaders, managers and fellow colleagues regarding passenger enquiries, with a passenger load of 3000 on average.

CERTIS CISCO SECURITY PTE. LTD, Part-Time Aviation Security Officer

May 2023 - Aug 2023

- Screened over 100 departing passengers for over 10 flights for prohibited items on-flight.
- Performed physical security for general crowd, consisting of over 5000 passengers, regarding any potential threats, both inside and outside Changi airport.
- Conducted explosive detection for over 100 security-enhanced flights, preventing potential explosives from entering aircraft.

Minmed Group Private Limited, Healthcare Assistant

Nov 2022 - Feb 2023

- Delivered customer service to over 1000 patients at a Covid-19 vaccination centre.
- Led a team of over 5 members to discharge over 500 patients per day.
- Mentored over 20 new healthcare assistants with GPC and Electronic Medical Records (EMR).
- Managed over 100 patient enquiries regarding vaccinations, including discharge and pre-vaccination enquiries.
- Developed soft skills such as effective communication with over 50 on-site staff.
- Performed accurate data entry for over 1000 patients receiving vaccinations.

Ministry of Defence, Administrative Support Assistant (Finance)

Jan 2021 - Nov 2022

- Introduced a monthly presentation slide for office usage through use of Power BI.
- Digitalised financial records for over 20 units through usage of New Generation Procurement System.
- Managed annual, monthly and ad-hoc procurements for over 20 different units.
- Handled procurement for a wide range of monthly and annual events.
- Supervised over 200 procurement processes, including generation of purchase orders and invoice processing.
- Processed over 1000 invoices from suppliers, and ensured goods received are in optimal condition.
- Liaised with over 200 procurement suppliers for delivery dates, late deliveries and purchase orders.

National University of Singapore, Undergraduate Teaching Assistant

Aug 2024 - Dec 2024

- Taught over 40 undergraduate students on basics of Computer Organisations.
- Marked over 40 undergraduate students' lab sheets for lab assignments.
- Demonstrated ability to guide 2 classes of undergraduates to solve problems in demonstrations or debug codes.
- Received an outstanding rating of 4.5 / 5 in terms of teaching.

ADDITIONAL INFORMATION

- English (Proficient)
- Chinese (Proficient)