

Ching Ming Yuan

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EDUCATION

National University of Singapore (NUS)

Aug 2022 - Present

Bachelor of Computing (Hons) with Major in Computer Science (CAP 4.94)

- Awarded NUS Merit Scholarship
- Dean's List, AY 2022/2023 Semester 1

Anderson Serangoon Junior College

Feb 2018 - Aug 2019

Cambridge A-Levels

- Graduated with a UAS of AAA/A with a Merit in H3 Chemistry
- Part of College's Scholars programme, Alpha Scholars Programme
- Recipient of MOE's Edusave Certificate of Academic Achievements in both years of college
- Recipient of MOE's Edusave Character Award in 2019
- Represented the college as a College Ambassador

WORK EXPERIENCE

Freelance, IOS Developer, Singapore

Nov 2022 – Jul 2023

- Worked alongside various university professors to refactor legacy code in a patient monitoring application for nurses.
- Spearheaded the Implementation of a Bluetooth Low-Energy (BLE) feature to integrate with existing codebase.
- Worked around the limitation of IOS by embedding additional encrypted data in BLE devices broadcast blasts, resulting in a significantly quicker authentication process.
- Improved performance by implementing more efficient, safer, and predictable algorithms using functional programming.

Cyber Sierra, Software Engineer Intern, Singapore

Feb 2022 – Aug 2022

- Worked mainly as a backend software engineer while also assisting as an DevOps engineer.
- Prototyped a cartography software that scans and maps companies footprints on cloud service providers such as AWS, Azure and Google Cloud Platform.
- Developed a data analytics and visualisation software to go alongside the aforementioned software that executes thousands of queries against the indexed data to unveil possible vulnerabilities and misconfigurations.
- Productionised an employee training and counter phishing module that is geared towards help enterprises achieve cyber security certification such as ISO. This software is currently being sold in the India market.
- Conducted market research to assess competitors in the industry and how to better poise our software to achieve better product market fit.

CO-CURRICULAR ACTIVITIES

Google Developer Student Club (GDSC NUS), Full Stack Developer, Singapore

Sep 2023 – Present

- Developing a volunteer management system for MINDs Singapore.

NUS Fintech Society, Software Developer, Singapore

Aug 2023– Present

- Developing a centralised platform to demonstrate the capabilities of generated Machine Learning models.

PERSONAL PROJECTS

Anonymous Telegram Chat Bot

Oct 2020 – Dec 2020

Technology used: Python, PostgreSQL, Heroku, Docker

- Developed a clone of the popular NUS chatbot and achieved a peak of 100 daily users with multiple forks on GitHub.
- Implemented CI/CD pipeline that automates type checking and linting for python.

VOLUNTEERING EXPERIENCE

Alpha Scholars Programme, Student Organizer, Rivervale Grove Residents Committee

May 2018 – Dec 2018

- Led a committee of 20 people to plan and execute PAYM Loves red and Christmas Party carnival for Sengkang community.
- Successfully decreased event expenses by 37% through innovative upcycling initiatives and strategic partnerships with government agencies and companies.
- Event was graced by Mr Charles Chong, then Deputy Speaker of Parliament as well as thousands of residents.

ADDITIONAL INFORMATION

Languages: English, Mandarin, Python, Golang, Java, TypeScript, Tailwind, HTML, CSS, React

Interests: Basketball, Running and strategy games