

Ng Zi Xuan

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EDUCATION

National University of Singapore

Aug 2020 – Jan 2025 (Expected)

Bachelor of Computing (Honours) in Computer Science

- Current CAP: 4.72/5
- Dean's List for AY2021/2022 Semester 2

TECHNICAL SKILLS

Programming Languages

- Proficient in JavaScript, Java, Python, HTML, CSS
- Familiar with C++ and SQL

Tech Stacks

- Completed self-initiated Software Engineering Projects using MongoDB, Express, React, Node.js Stack, Flutter, Android Studio and Unity

WORK EXPERIENCE

GIC

Aug 2023 – Present

Full stack Developer Intern

- Created comprehensive end-to-end test scripts utilizing the Cypress testing framework to validate functionality and user experience across 10 web pages
- Contributed to maintaining quality front-end interfaces by troubleshooting and rectifying UI issues on a production-level application

IBM Singapore

May 2023 – Aug 2023

Client Engineering Intern

- Developed RESTful APIs using Java Spring framework to facilitate communication between client applications and server-side systems
- Leveraged internal authentication services and APIs to implement secure and seamless user authentication within a cloud-native solution
- Contributed to the solutioning and full-stack development of user-centric web applications

Center for Healthcare Innovation

May 2022 - Jul 2022

MIP Intern

- Designed a digital roster board to digitalise daily manual updates for an estimated annual savings of \$11,000
- Developed a MERN web application as a proof of concept to be tested in TTSH emergency department
- Liaised with hospital staff to gather user stories and feedback for each application iteration
- Incorporated UX considerations for the component level design and overall look and feel of the application

PROJECTS AND CO-CURRICULAR ACTIVITIES

Allez - NUS Computing Independent Software Development Project

May 2021 – Jul 2021

- Co-developed a Social Media Web Application with the MERN stack for Rock Climbers to share videos and photos of routes online and Achieved Gemini Level (Intermediate)

E-FOP 2021

Sept 2020 – Aug 2021

Project Director

- Led a team of 15 members to plan E-Freshman Orientation Program (E-FOP) 2021
- Conducted E-FOP 2021 with help from 28 Orientation Group Leaders for 197 Freshman
- Created an escape room website for 220 participants to compete simultaneously during the Virtual-Freshman Orientation Program

Trail Mix

Sept 2020 – Apr 2021

- Co-created a mobile application, using Flutter to help visitors explore Sungei Buloh Wetland Reserve
- Application was released to Google Play Store and was tested by over 40 participants
- Special Mention in RVC Action for Sustainability Symposium 2021

ADDITIONAL INFORMATION

Languages: Fluent in English and Mandarin Chinese

Interests: Ultimate Frisbee, Rock Climbing, Guitar