

XAVIER ONG

HP: 84480168 Email: xavier.ong@u.nus.edu

EDUCATION

National University of Singapore (NUS)
Bachelor of Computing in Computer Science
Cumulative Average Points: 4.5 / 5

Aug 2021 - Apr 2025

SKILLS

- Languages: Java, Python, Javascript, Typescript, HTML, CSS
- Frameworks: React.js, TailwindCSS, React Native, Firebase, MySQL, Pandas, ScikitLearn, Flask, Selenium
- Others: Git, Canva, Figma

EXPERIENCE

Software Engineering Intern, Aktus M.U Kreative, Singapore **May 2022 - Aug 2022**

- Built a Machine Learning Model to predict prices of items in Python using TensorFlow and ScikitLearn to be deployed in an E-commerce platform
- Integrated Machine Learning Model with Javascript based web application using Python and Flask
- Devised a script to calculate optimal selling price using Python and the Pandas Framework

Teaching Assistant, National University of Singapore, Singapore **Aug 2022 - Present**

- Conducted weekly Lab sessions with 20 students on how to approach and solve Data Structure and Algorithm Questions in Java
- Invigilated examinations as well as prepared slides to be used by all teaching assistants
- Facilitated weekly Tutorial group of 8 students
- Taught fundamentals of programming such as Data abstraction, Functions, Higher order functions in "Source" a Typescript based programming language
- Currently Teaching CS1101S, Programming Methodology 1 as well as CS2040, Data Structures and Algorithms

PROJECTS

Web Application, Xavier's Portfolio Website, Singapore **Oct 2022 - Present**

- Tech Stack: Javascript, React.js, Tailwind CSS, Figma, HTML, CSS
- Personal website to showcase portfolio <https://xav.codes>
- Frontend created using React.js and Tailwind CSS
- Logo and SVGs made using Figma and Canva
- Hosted on Vercel

Desktop Application, NutriGoals, Singapore **Aug 2022 - Present**

- Tech Stack: Java, JavaFX, Git
- NutriGoals is a desktop application to track a user's diet and calorie consumption.
- Collaborated with a team of 4 other developers

- Managed workflow using git and forking workflow
- Backend built using Java as well as JSON to store data locally
- Frontend designed using JavaFX

Cross-Platform Mobile Application, YiQiChi, Singapore

May 2022 - Aug 2022

- Tech Stack: Javascript, React Native, Firebase, Git, CSS
- YiQiChi is a cross-platform mobile application to let foodies share, review and locate restaurants all over Singapore.
- Utilised Feature branch workflow to manage workflow
- Backend constructed using Firebase
- Frontend constructed using React Native and CSS

Telegram Bot, BookingBot, Singapore

Feb 2021 - Apr 2021

- Tech Stack: Python, MySQL, Selenium
- BookingBot allows users to book gym slots using a telegram bot instead of having to navigate to different gym websites
- Backend developed using Selenium for web automation and MySQL for database management
- Frontend developed using Python and telebotAPI