

Vanessa Lai

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EDUCATION

National University of Singapore

Aug 2023 – May 2027

Bachelor of Science in Business Analytics with Minor in Interactive Media Development

Relevant Courses: Data Structures and Algorithms, Application Systems Development for Business Analytics, Object-Oriented Programming, User Experience Design, Data Management and Visualisation

CO-CURRICULAR ACTIVITIES

TMJC Health and Fitness Club

May 2021 – May 2022

Physical Training In-Charge

- Developed and facilitated weekly training programs for club members
- Planned and headed a school-wide "Walk for Rice" event in collaboration with the Cerebral Palsy Alliance Singapore
- Led a publicity event and Instagram campaign for a "Healthy April" event in school, giving weekly tips on fitness and health

TKGS Sec 4 ViA Project

Feb 2020 – Aug 2020

Vice-Chairperson of Committee

- Organised and managed different teams of teams of the project
- Point of communication with teacher advisors to carry out ViA project

COMPETITIONS

NUS Product Club, PME AY 2024/ 2025 participant

- Gained knowledge for the fundamental skills of product Management
- Collaborated with a team to present a case study for an internal product competition

TECHNICAL SKILLS

Languages: Python, SQL, Java, R, JavaScript, TypeScript, HTML, CSS

Frameworks: ReactJS, NextJS, ExpressJS, VueJS, TailwindCSS, Git, Socket.io

Relevant Tools: Figma, Tableau, PowerBI, Confluence

AGILE Methodologies: SCRUM

PROJECTS

MechHub – E-Commerce Web App

- Full-Stack e-commerce web application using ReactJS, TensorFlow and Firebase
- Implemented CI/CD pipelines
- Developed unit testing with Jest and React Testing Library and conducted user testing

GetItDone – Task Manager

- Developed a Full-Stack web application using MongoDB, ExpressJS, ReactJS and NodeJS
- Used to Telegraf to create a Telegram bot that sends users reminders of their tasks and allow them to mark tasks as complete

Ultimate TicTacToe

- Created an online multiplayer ultimate tic tac toe game using Socket.io and ExpressJS

Nationality: Singaporean

Languages: English (native proficiency), Mandrin (limited working proficiency)

Looking for a Full-Time Internship from Jan – June 2025