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

TECHNICAL SKILLS

Languages: Python, SQL, Java, R, JavaScript, TypeScript, HTML, CSS
Frameworks: ReactJS, NextJS, ExpressJS, TailwindCSS, Git, Socket.io
Relevant Tools: Figma, Tableau, PowerBI
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