

Vanessa Lai

+65 9731 6310 | vanessalaiyz.work@gmail.com | [Website](#) | [GitHub](#) | [LinkedIn](#)

EDUCATION

National University of Singapore

Aug 2023 - May 2027

Bachelor of Science in Business Analytics (Honours) 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

TECHNICAL SKILLS

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

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

Relevant Tools: Figma, Tableau, PowerBI, Jira, Confluence, Adobe Illustrator, Adobe InDesign

AGILE Methodologies: SCRUM

CO-CURRICULAR ACTIVITIES

NUS Student Mentorship Committee (SMC)

Aug 2024 - Present

Technology Team (Global Ready Certificate - Project Head)

- Spearheaded and led a team to create a front-end form using ReactJS and a backend content and plagiarism checker using OpenAI API and TensorFlow
- Adopted a pipeline to automate sending out certificates via email

Publicity Team (Website)

- Participated in the UI redesign for the editorial and reflection pages, enhancing the website's user experience and visual appeal
- Developed and implemented advanced search and filter functionalities on the Wix platform, improving content accessibility and navigation

Advisory Singapore

Aug 2024 - Present

Web Developer (Data Team)

- Utilised SQL to filter and process data for the Mentorship Team
- Participated in biweekly sprints with the team to discuss goals and work through errors together

COMPETITIONS

NUS Product Club, Product Management Exposure (PME) 2024, 2nd Runner Up

- Gained knowledge of the fundamental skills, including interviewing and research, of Product Management through talks by industry professionals and personal trial
- Collaborated with a team to present a case study on an event reminders function on Telegram, TeleCale, for an internal product competition

Zalora Product Challenge 2024, Participant

- Conducted user research and analysis to identify key customer pain points around product authenticity verification on Zalora's e-commerce platform
- Conceptualised and presented solutions to enhance user trust based on Zalora's current site and research conducted

PROJECTS

MechHub - E-Commerce Web App

- Developed a full-stack e-commerce web application using ReactJS, TensorFlow and Firebase developed for NUS Orbital Apollo (Advanced) level
- Conceptualised the User Interface for the site and improved it through continuous feedback gained during milestones and user feedback
- Implemented CI/CD pipelines to automate deployments with FireBase
- Utilised Jest and React Testing Library to automate and conduct unit testing and conducted user testing to ensure functionality and usability of the site

GetItDone - Task Manager

- Developed a task manager web application using MongoDB, ExpressJS, ReactJS and NodeJS
- Used to Telegraf to create a Telegram bot that automated sending reminders and updating of task status

Nationality: Singaporean

Languages: English, Mandarin