

Vanessa Mae

SPR | <https://www.linkedin.com/in/vanessa-mae/> | <https://github.com/Vanessamae23>

NATIONAL UNIVERSITY OF SINGAPORE (NUS)

Bachelor of Computer Science

ASEAN Undergraduate Merit Scholar

CCA - NUS Computing Technopreneurship Society (Marketing **UI/UX team**), NUS LightHouse Resident Assistant

Programming Methodology II (**Object-Oriented Programming**) **CS2030S Teaching Assistant (Teaching Feedback 4.5/5)**

TEMASEK JUNIOR COLLEGE

MOE ASEAN Merit Scholarship, Dean's List

Singapore, Singapore

Expected Dec 2025 - Aug 2026

Singapore, Singapore

Jan 2020 - Dec 2021

EXPERIENCES

TikTok LIVE team

Incoming Software Developer Intern

Singapore, Singapore

Aug 2024 - Dec 2024

JobWiz

Software Developer Intern

Singapore, Singapore

May 2024 - Aug 2024

- Increased the accuracy of the ATS by 30% through effective prompt engineering and optimizing the hyperparameter of the LLM
- Utilized **AWS SES** to implement direct email-sending features and managed data storage with **AWS S3** buckets. Developed serverless functions using **AWS Lambda** for efficient and scalable applications.
- Improved user interfaces and user experience using **Vue.js**, handled complex backend tasks with **Golang**, and successfully deployed applications to **AWS and Google Cloud Platform** (Cloud Functions).
- Utilized Go concurrency to increase the API performance and network response by more than 100%
- Contributed more than 10,000 lines of code with more than 60 merged pull requests in a span of 3 months

CVWO (in partnership with GIC)

Software Developer

Singapore, Singapore

May 2023 - Aug 2023

- In charge of maintaining their current website and continue developing their admin dashboard according to client's needs, tech stacks used are **Golang, React**
- Improved and added features according to client's request for 400+ social workers from 10+ care centers.
- Did full-stack development using **Typescript** and **React** for frontend and **Golang** and **SQL** for backend

HustleHuts

Part-time Software Developer

Singapore, Singapore

Mar 2023 - May 2023

- In charge of developing their MVP web app using **Next.js** and **React**, mainly on the frontend side.

Magna Solusi Indonesia

Software Developer Intern

Jakarta, Indonesia

Mar 2022 - May 2022

- Part of a team in charge of the Indonesian Stock Exchange. I worked with **HTML, CSS, Javascript** and basic **SQL** and **PHP**. Fulfilled client requests, developed and maintained their website. Attend weekly meetings with clients

Avadore.io (now ChatMint)

Mobile Application Developer

Singapore, Singapore

Jun 2022 - Aug 2022

- Working on a project to create a mobile app for dating. I mainly used **Flutter** and **Laravel** to make the app from scratch. In charge of designing the UI and developing the frontend and backend

A*STAR I2R

Research Internship

Singapore, Singapore

Dec 2020 - Jan 2021

- Made a project on ROS (Robot-Operating-System) and used **Python** to operate a robot using EMG signals. We also further extended the project and presented our research at SSEF (Singapore Science Engineering Fair) and we were shortlisted to a finalist

PROJECTS

(For more details on project, visit <https://vanessamae.vercel.app/>)

Made Easy - Apps on Google Play | Developed a mobile app using **Firebase** and **React Native** published in the play store to help students revise and the app has been downloaded by many students. Online Learning App Available on Google Play

Made Easy Learning Website | Online Learning website built using the **MERN** stack

CVWO Web Forum | Web forum for my CVWO winter assignment built using **Golang** as backend and **React + Typescript** for frontend.

Digital Wallet App | Made using **React Native, Firebase** and **NodeJS** while integrating real payment system **Stripe**

Ecommerce Website | Built with **React, Django (Python), PostgreSQL** web scraping of Aliexpress and payment integration with Indonesian midtrans - **TitipDonk**

PSA Hackathon AI | Built with **React, Python** AI sentiment analysis to analyze worker's general sentiments.

ModMatch | Built using **Typescript**, ModMatch is a **Firebase**-backend web app to help match NUS students to be in one timing with their friend groups. (Built for NUS Hackers HackNRoll)

Breaking Ice | A fun game available on the App store built using Javascript and Firebase

ADDITIONAL

Skills: *MERN stack, React, React Native, Flutter, Firebase, SQL, Javascript, HTML, CSS, Golang, Java, Python, Swift, C, AWS Lambda, Google Cloud, VueJS*

Awards: Runner Up Prize Winner for MVP - DSTA CODE_EXP Hackathon, Top 15 Finalist NUS Lifehack Hackathon 2023, Bronze - Singapore Mathematics Olympiad, Bronze - Singapore Junior Chemistry Olympiad, Bronze - SASMO, SMKC, High School Junior College - Dean's List, MOE Scholarship, GIC Computing for the Community Fellowship Award (CVWO), TikTok Hackathon Finalist Top 12, PSA CodeSprint Commendation Award, NUS 24th STePs 3rd Place (CS3217)