

Skills

- Languages: Python | C | Java | JavaScript | VBA
- Technologies: MongoDB | Express | React | React Native | Node | Firebase | Supabase | Next.js
- APIs: HuggingFace | Yahoo Finance | Finnhub | Google Gemini | Anthropic | OpenAI | Spotify | PokeAPI

Experience

Golden Island Pte Ltd | Software Developer Intern

December 2024 - Present

- Developed a *Fleet Tracking System* with **React** and **Node** capable of analysing data of up to **1000 ships daily**
- Implemented the algorithm to track when ships are near each other using the **Haversine Formula**, and fine tuned the parameters to accurately determine when ships are docking with over **90% accuracy**
- Developed a *Fleet Simulation System* with **Node** and **Supabase** to simulate realistic movement of **1000 vessels**

Sheares Web | Software Developer

August 2024 - Present

- Developed a *Full-Stack Hostel Management Web Application* with **React** and **Firebase** with **468 users**
- Developing a *Mobile Hostel Application* using **React Native** and **Firebase** that will serve up to **500 users** at a time
- Implemented the *Newsletter Feature* and *Authentication* with **ReactNative** and **Firebase** with different access levels, allowing **Access Control** to the Post-Newsletter functionality

Biz IQ Academy | Finance Executive Intern

April 2023 - June 2023

- Automated financial payment receipt processing using **VBA**, increasing efficiency by up to **8 times**

Projects

Jobu | React, Firebase, CSS

November 2024 - December 2024

- Developed a **full-stack job application tracker** that aims to make tracking job applications organised and user-friendly
- Implemented features like job adding, event adding for interviews and assessments, status updates for offers, rejections, ghosting and acceptance, and graphical representation for job application statistics

Spotifyyou | React, Supabase, CSS, Google Generative AI API

November 2024 - December 2024

- Developed a **full-stack Spotify Companion** that aims to listening statistics and song recommendations more accessible
- Implemented features such as Gemini-powered AI recommendation engine where users can either get song recommendations based on their top listening, or enter a prompt and have the engine generate a playlist based on the user's prompt, processed through **Natural Language Processing**

FeinAlpha | React, MongoDB, Express, Node

November 2024 - December 2024

- Developed a **full-stack portfolio tracker** that aims to make tracking your stocks portfolio, as well as watch-list easier.
- Implement features such as portfolio statistics, graphical representations, watchlists, and market news

QuerySense | Next.js, CSS, Google Generative AI API

November 2024 - December 2024

- Developed *CSV Data Analyser* aimed to make making sense of CSV file data easier and more intuitive.
- Implemented features such as **Natural Language Processing** for user inputs, providing logical insights on the data based on the user's prompt written in natural language
- Implemented features such as file information (displaying columns barring id) and graphical representations for data

HowTheFeels | Next.js, CSS, Hugging Face API

November 2024 - December 2024

- Developed a *Sentiment Analyser* aimed to make analysing long paragraphs easy
- Implemented features such as an intuitive text input field and dynamic background colors depending on result
- Analysis done using the **BERT Model** from **Hugging Face API**

Education

National University of Singapore | Bachelor of Computing in Computer Science

August 2023 - May 2026 (Expected)

GPA: **First Class Honours**, Relevant coursework: programming methodology I and II, discrete structures, data structures and algorithms, computer networks, information security, calculus for computing, linear algebra for computing

Hackathons

CatalystX 2024 | Finalist

October 2024

PSA Codesprint

October 2024