

Skills

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

Experience

- GoNetZero | AI Software Engineer Intern (Incoming)

February 2025 - August 2025
- Golden Island | Software Engineer Intern

December 2024 - February 2025

 - 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.
 - Implemented features such as portfolio statistics, graphical representations and watchlists
- 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
 - Analysed input text using the **BERT Model** from **Hugging Face API**

Education

- National University of Singapore | Bachelor of Computing in Computer Science | GPA: **First Class**

August 2023 - May 2026

 - Relevant coursework: Database Systems | Introduction to AI and Machine Learning | Programming Methodology I and II | Discrete structures | Data Structures and Algorithms | Introduction to Computer Networks | Introduction to Information security | Calculus for Computing | Linear Algebra for Computing | Probability and Statistics
 - Certifications: Introduction to Structured Query Language (SQL) - *University of Michigan*

Hackathons

- CatalystX 2024 | Finalist

October 2024
- PSA Codesprint

October 2024