

EDUCATION

Nanyang Technological University

- Expected to graduate with Honours (Distinction) in Computer Science, August 2021 - December 2024. GPA: 4.32/5.00
- Developed strong programming skills through coursework, including Data Structures, Algorithms, and Object-Oriented Programming
- Utilized React Native for mobile app development projects, focusing on building interactive user experiences and leveraging asynchronous reactive programming

ACADEMIC PROJECTS

Cloud Computing Project

- Designed and developed a high-performance AI chatbot utilizing OpenAI's embedding model, achieving 90% response accuracy for NTU's FAQs.
- Leveraged Google Cloud's Vertex AI and ChromaDB to reduce tokens usage by 95%, significantly lowering operational costs and enhancing response accuracy.
- Applied problem-solving and debugging skills to troubleshoot and optimize chatbot performance, resulting in a seamless user experience.

INTERN EXPERIENCE

Software Developer Intern at DBS Bank Ltd

- Design and developed a translation tool using React, integrating Gen-AI capabilities and Retrieval Augmented Generation (RAG) techniques, resulting in a 40% increase in productivity.
- Utilized React and Ant Design UI library for front-end development, refactoring code and updating deprecated content.
- Wrote extensive test cases using React Testing Library and performed regression testing, as well as User Acceptance Testing (UAT).

Full Stack Software Developer Intern at FoodLine.sg Pte Ltd

- Developed full-stack web applications using PHP and JavaScript for server-side scripting, ensuring responsive backend functionalities.
- Integrated Zoho CRM into the backend application, streamlining customer-facing processes and enhancing lead management.
- Designed meticulous database schemas in MySQL and integrated them into the backend application, employing security techniques such as prepared statements and data sanitisation.

Software Engineer Intern at Undercurrent Capital Pte Ltd

- Built front-end interfaces for Decentralized Applications (DApps) using React and Tailwind CSS, ensuring a seamless and user-friendly experience.
- Composed highly efficient and secure smart contracts using Pyteal and JavaScript for various DApps features such as transaction of digital assets and cryptocurrencies.
- Authored comprehensive test cases using Mocha Testing Framework and conducted end-to-end testing to ensure successful deployment.

CO-CURRICULAR ACTIVITIES

Freshmen Orientation Programme

- Served as a Programmes Committee Member, fostering collaboration and teamwork to design and execute a successful freshmen orientation programme, raising over \$1000.
- Designed and led team-building activities, including games and camp events, to facilitate interaction and bonding among 250 freshmen.
- Developed and managed a budget, allocating resources efficiently to ensure a memorable experience for incoming students.

SKILLS

Language Skills:

English - Fluent, Chinese - Fluent

Programming Languages:

JavaScript - Proficient, ReactJS - Proficient, Node.js - Proficient, Java - Proficient, C - Proficient

Frameworks & Libraries:

React Native - Proficient, Redux - Proficient, Styled-components - Proficient, Flexbox - Proficient

Technologies:

API Calls - Proficient, Asynchronous Reactive Programming - Proficient, CI/CD Pipelines - Familiar, Micro Front-end Pattern - Familiar, Jest - Familiar, Detox - Familiar, UX & Accessibility Best Practices - Familiar