

EDUCATION

Nanyang Technological University, Singapore
Bachelor of Engineering (Computer Science)

Aug 2021 – Dec 2024

- Expected Honours (Distinction), Current CGPA: 4.32/5.00

INTERNSHIP EXPERIENCE

DBS Bank Ltd

May 2024 – Aug 2024

Software Developer Intern

- Developed a translation tool for Hong Kong translators which integrates Gen-AI capabilities and Retrieval Augmented Generation (RAG) techniques, resulting in a 40% increase in productivity.
- Completed various front end development tasks using React and Ant Design UI library, including code refactoring and updating of deprecated content.
- Wrote extensive test cases using React Testing Library and performed regression testing as well as User Acceptance Testing (UAT).

FoodLine.sg Pte Ltd

Aug 2023 – Dec 2023

Full Stack Software Developer Intern

- Engaged in full-stack web development, 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.

Undercurrent Capital Pte Ltd

May 2023 – Aug 2023

Software Engineer Intern

- Implemented front-end interfaces for Decentralised Applications (DApps) using React and Tailwind CSS to ensure a seamless and user-friendly experience.
- Leveraged Pyteal and JavaScript to compose highly efficient and secure smart contracts 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.

ACADEMIC PROJECTS

Nanyang Technological University, Singapore

Cloud Computing Project

Jan 2023 – Feb 2023

- Built an AI chatbot to handle FAQs about NTU, achieving 90% response accuracy.
- Utilised technologies such as OpenAI's embedding model, Google Cloud's Vertex AI and ChromaDB to achieve a 95% reduction in tokens usage, significantly lowering operational costs and enhancing response accuracy.

CO-CURRICULAR ACTIVITIES

Freshmen Orientation Programme

Jan 2022 – Aug 2022

Programmes Committee Member

- Participated in canvassing and managed to raise over \$1000 for the orientation programme.
- Planned games and camp activities for 250 freshmen to encourage interaction and bonding.

SKILLS

Languages: Proficient in English and Chinese

Programming Languages: Python, ReactJS, Node.js, Java, C, HTML/CSS, PHP, JavaScript, SQL

Software Applications: Android Studio, Jupyter Notebook, Microsoft Office, Git, Jira, BitBucket, Confluence

Online Courses: DS102: Data Analytics with Python (Hackwagon Academy Pte Ltd), CodeIT Advanced (CodeIT Academy)