

## EDUCATION

<b>Nanyang Technological University, Singapore</b> <i>Bachelor of Engineering Science (Computer Science) with a Master of Science in Technology Management</i>	Aug 2020 – May 2025
• Honours (Highest Distinction), GPA: 4.51/5.00 • <b>Relevant Coursework:</b> Software Engineering, Data Science, Algorithmic Design & Analysis, Data Structures & Algorithms, Object Oriented Programming (Java, C++), Relational Databases (SQL, MySQL), Operating Systems, Neural Networks & Deep Learning (Pytorch), Natural Language Processing, Data Analytics & Mining, Advanced Computer Networks	

<b>The University of British Columbia, Vancouver</b>	Sep 2022 – May 2023
• 1-year exchange program studying Computer Science • <b>Relevant Coursework:</b> Artificial Intelligence, Applied Machine Learning, Computer Vision, Cybersecurity, Internet Computing, Advanced Relational Databases, Entrepreneurship	

## ENTREPRENEURSHIP

<b>PrepQuest (iOS &amp; Android App)</b>	May 2025 - Present
<b>Founder &amp; Full-Stack Mobile Developer</b>	

• As a solo founder and developer, I designed and built a cross-platform AI Flashcard app for students and interview goers.  
• It features an offline-first user experience, and a myriad of methods for deck creation and studying/quizzing flashcards  
• Handled everything from conceptualisation, design, frontend development, backend development, shipping the app, marketing and finance  
• Launching soon in December 2025  
• **Technologies used:** React Native, Expo, Figma, Supabase, Clerk, Vercel, Google Cloud, DeepSeek, Claude, Cursor, RevenueCat, Lottie, EAS, SQLite

<b>WORK EXPERIENCE</b>	
<b>OKX SG Pte. Ltd.</b>	July 2025 - Present

<b>Android Software Developer</b>	
• In charge of updating and improving UI components in internal shared library, used by all Android development squads • Worked closely with designers and other development squads on multiple UI components and projects • Revamped existing demo page applications for better developer experience of engineers • <b>Technologies used:</b> Android Studio, Kotlin, Gitlab, Jenkins, Cursor	July 2025 - Present

<b>Visa Worldwide Pte Limited</b>	May 2024 – Aug 2024
<b>Full-Stack Software Developer</b>	

• Full-Stack Software Development for VROL (Visa Resolve Online), a payments dispute platform used by members of UK Open Banking. Worked closely with colleagues and team members to develop and push multiple features for the web-app to bring value to the business  
• **Technologies used:** TypeScript, React, Postman, Jira, Confluence, Git, Java, Spring Boot

<b>Govtech Singapore</b>	Jan 2024 – May 2024
<b>Full-Stack Software Developer</b>	

• Full-Stack Software Development for CrowdTaskSG (Great Budget Meal Hunt campaign in partnership with HDB)  
• Worked closely with developers, designers, quality engineers, tech leads and product managers to push out features and fix software issues both in frontend and backend, in an agile setting.  
• Built features such as new landing page, error screens, UI bug fixes, unit testing, backend APIs, refactoring of codebase, spiking on telegram bot sign-in to CrowdTaskSG portal and push notifications, google sheet automation  
• **Technologies used:** React, Tailwind CSS, Next.js, PostgreSQL, TypeORM, Jest, Gitlab, Jira

<b>Defence Science and Technology Agency, Singapore</b>	May 2023 – Dec 2023
<b>Full-Stack Software Developer</b>	

• Collaborated with a team of software engineers to develop and deploy an AI Assistant application for the SAF  
• **Tasks:** Frontend Web Development, Backend Development (Building APIs), Deployment, Integrating Large Language Models (LLMs) with Web Application, Building a Profiler and Recommender System, Unit/Integration Testing  
• **Skills & Knowledge:** Full-Stack Web Development, Recommender Systems, Agile Development, Test Driven Development  
• **Technologies used:** Python, TypeScript, React, Flask, Node.js, Express.js, Postman, Docker, Weaviate Vector Database, Neo4j Graph Database, Cypher Query Language, Elastic Search, Jira, Confluence, Cuda, Pytorch, Git

<b>Accenture Pte Ltd, Singapore</b>	May 2022 – Aug 2022
<b>Technology Consultant Intern</b>	

• Deployed Workday to 12 civil agencies to facilitate whole-of-government (WOG) cloud migration process (Project Cumulus) from individual legacy systems to achieve streamlining of data management for the government  
• **Technologies used:** Excel, Workday, Clover

## **EXTRA-CURRICULARS**

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### **UBS Global Coding Challenge**

September 2024

- Emerged 1<sup>st</sup> place (Champions) out of 22 Teams in a Competitive Programming Contest
- **Technologies used:** Python, Flask

### **Final Year Project: Time Series Forecasting**

August 2024

- Machine Learning project to improve accuracy of time series predictions by investigating different methods for data ingestion and data preprocessing.
- **Technologies used:** Python, Pytorch, TSFresh, Optuna, DeepAR Model

### **Software Engineering Project: Mobile Application for Golfers**

- Developed a mobile application which collects data from a bluetooth electronic module on a golf club to display useful information of the golfer's swing, such as its lie angle, shaft lean and speed of swing.
- **Technologies used:** Flutter, Figma

### **Software Engineering Project: Mobile Application for Bird Watchers**

- Developed a mobile application which displays information of bird sightings history on a google map for avid bird watchers.
- **Technologies used:** React Native, Figma