

EDUCATION

Nanyang Technological University, Singapore
Bachelor of Engineering in Computer Engineering

Aug 2022 - Present

- Expected year of graduation: August 2026

PROJECTS

Jiak! Android Application Project

Mar 2024 - May 2024

Member

- Utilize **Node.js** and **React** to develop a food recommendation Android application, catering to user preferences and dietary restrictions.
- Implement features such as user authentication, search functionality, and personalized recommendations based on user behavior.

Heart Disease Prediction

Mar 2024 - Apr 2024

- Conducted thorough exploratory data analysis on the Heart Disease Dataset comprising 1025 samples, employing Python libraries to extract meaningful insights.
- Developed and fine-tuned machine learning models to accurately predict an individual's propensity for heart diseases, leveraging advanced algorithms and techniques.

Camp Application and Management System

Aug 2023 - Oct 2023

- Applied Object-Oriented Programming principles in Java to architect and develop a comprehensive camp management application.
- Conducted thorough testing and debugging to ensure the stability, security, and scalability of the application.

Seating Arrangement System

Feb 2019 - Feb 2019

- Implemented **SQL** database management for class data storage, ensuring efficient organization and retrieval of seating arrangement information.
- Developed a user-friendly web interface using **Python** and **Flask**, enabling teachers to effortlessly generate seating arrangements for their classes.

WORK AND INTERNSHIP EXPERIENCES

Strides Digital, SMRT

Jan 2025 - Present

Full Stack Development Intern

- Developed a full-stack web application from scratch using **React** and **Node.js** for Changi Airport Group, streamlining fleet inspection processes and automating data entry to enhance operational efficiency.
- Cleaned, analyzed, and validated large datasets related to bus routing in preparation for Singapore's General Elections 2025, ensuring accuracy and readiness for high-impact logistical planning.
- Designed and prototyped high-fidelity UI mockups in **Figma** for client-facing applications, directly contributing to two successful sales deals by delivering visually compelling and user-centric interfaces.

Signify

May 2024 - Aug 2024

Systems Engineering Intern

- Collaborated on the development of a **Flutter** app aimed at enhancing on-site troubleshooting efficiency for engineers, contributing to improved user experience and operational workflows.
- Reviewed and verified control designs, schematics, and technical drawings in close collaboration with Technical Designers to ensure compliance with project specifications and industry standards.
- Programmed and configured product functionalities to align with specific project needs, enabling seamless integration and reliable system performance.

CO-CURRICULAR ACTIVITIES AND VOLUNTEER EXPERIENCES

Nanyang Technological University Hall 7 Softball

Oct 2022 – May 2024

Team Manager

- Drove team excellence of a 50-man team through well-organized and engaging training sessions, emphasizing good time management and skill development
- Fostered team morale by building strong relationships with team members, contributing to a 20% reduction in absenteeism during training

**Buona Vista Youth Network and Grassroots Committee
Member**

Aug 2019 - Present

- Played a pivotal role in spearheading impactful community initiatives as well as project management for the Buona Vista neighborhood, notably orchestrating distribution of essential items to over 300 elderly residents
- Collaborated with committee members to host a community e-sport competition with over 70 participants, ensuring seamless event flow and a positive participant experience by providing technical support and issue resolution
- Ushered nearly 100 community members during a breakfast event with the Minister, showcasing strong organizational and coordination skills

**River Valley Information Communications Club
Member**

Jan 2020 - Mar 2021

- Represented school in Micron NUS ISE BACC 2020, solving 2 semiconductor related problem statements
- Represented school in Cyberthon 2021, utilizing cybersecurity expertise to solve challenges with precision and contributing to team success

ADDITIONAL INFORMATION

- Languages: Fluent in English and Mandarin (spoken and written)
- Technical skills
 - **Frontend:** React, JavaScript, TypeScript, HTML, CSS, Flutter, Figma
 - **Backend:** Node.js, Firebase
 - **Database:** MongoDB, SQL
 - **Tools & Platforms:** Git, GitHub, Postman, VS Code
 - **Other:** Data Cleaning & Analysis
- Others: Proficient in Microsoft Office; experience with digital design applications (Blender, Figma, Gimp)
- Interests: Softball, Programming, Digital design and drawing