

# Ambrose Liew

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## EDUCATION

### National University of Singapore

Aug 2019 – May 2023

Bachelor of Computing (Honours), Major in Computer Science

### Google Developer Student Club NUS – Project Juniors Club – Frontend Lead

Aug 2022 – Present

Tasked to lead the frontend development to build an interactive Learning Management Service targeted for children, for Food Bank.

Link: <https://github.com/Project-Juniors-Club>

### Unique Modules taken:

Software Engineering Principles and Patterns • Computer & Software Security • Cryptography Theory and Practice • Design and Analysis of Algorithms • Introduction to Networking & Operating Systems

## SKILLS

### Languages

English (Native) • Chinese (Native) • Japanese (Basic) • Korean (Basic)

### Programming Languages

C++ • Java • JavaScript • TypeScript • Python

### Technologies

HTML • CSS • React • Next.js • Remix • Node.js • Vue • Android Studio • Tailwind CSS • Docker • Kubernetes • GitHub Actions • Travis CI • Mocha • Cypress.io

## EXPERIENCE

### ByteDance – Global Payments Team, Frontend Engineer Intern, Singapore

May 2022 – November 2022

- Utilised TypeScript, React, CSS and coordinated with various teams to fulfil product requirements.
- Contributed 7 commits, and resolved 23 issues in internal custom React Hooks library, which is used in majority of company's projects.
- Designed an interactive graph node application using React-flow-renderer.
- Designed a graph chart using Apache ECharts in React.

### Lenskart, Frontend Developer Intern, Singapore

May 2021 – August 2021

- Redesigned the original website, <https://lenskart.sg/>, using React, Next.js and React Storefront to improve the performance and user experience of the website.
- Performed web application testing using Cypress.io to discover and correct bugs.
- Incorporated TypeScript to minimise run-time errors and Styled-Components to reduce code duplication.

## PROJECTS

**Language Learners** – A website that was built in a team of 4, that help users to learn new languages through flashcards and an interactive game. It utilises microservices for each of our backend services, uses React for the frontend and deployed using Kubernetes.

Link: <https://github.com/CS3219-SE-Principles-and-Patterns/cs3219-project-ay2122-2122-s1-g2>

**Recycle Go Where** – A user-friendly website made using Next.js, for LifeHack 2022, to help users locate their nearest e-waste by using React Google Maps API.

Link: <https://github.com/kevinchua6/recycle-go-where>

**PracticalTouch** – An Android app that was made with MVVM(Model-View-ViewModel) architecture and Room database, with my partner for CP2106. It is an app overlay that enables a more convenient and efficient way of switching between applications.

Link: <https://github.com/weixin-tan/Practical-Touch>