Kar Rui LAU

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🎓 EDUCATION

Expected 2020	**B.Comp (Hons) in Computer Science**, *National University of Singapore* CAP: 4.45/5.00
2013	**Diploma w/ Merit in Business Administration**, *Singapore Polytechnic*

☰ SKILLS & COMPETENCIES

Programming Languages	**Java**, **JavaScript**, C, C++, TypeScript, Python, CSS, HTML
Frameworks & Technologies	**React**, Redux, Vue, Bootstrap 4, JUnit 4, **git**, PostgreSQL

💼 WORK EXPERIENCE

May 2019 | **Software Engineer Intern, GOOGLE, Singapore**
> - Part of the Google Pay Android Foundation team
> - In the midst of implementing an exciting new feature end to end
> - Work closely with team members to ensure good architectural design and strong software engineering principles in code commited

`Java` `Android`

May - Aug 2018 | **Front-end Software Engineer (Intern), INTELLLEX, Singapore**
> - Assist in the development of applications and features for the enterprise web application
> - Refactor tightly coupled components into pure functional components, improving testability
> - Work closely with the designer to ensure design is followed
> - Collaborate with product managers and other developers to design and implement APIs

`JavaScript` `React` `Redux` `Bootstrap 4` `SASS` `GitLab`

Jan - May 2018 | **Teaching Assistant (CS2103 Software Engineering), NATIONAL UNIVERSITY OF SINGAPORE, Singapore**
> - Facilitate discussions on software engineering principles and review students' code

`Java` `GitHub`

🖥 PROJECTS

More of my projects can be found on my website, karrui.dev

CAP CALCULATOR - a React TypeScript Web App   2018
 cap.karrui.me ◯ github.com/karrui/cap-calculator

A TypeScript React application for NUS undergraduates to calculate their current CAP (Cumulative Average Point), helping them to visualize what grades are needed to hit their goal, or what their current grade is.

`React` `TypeScript` `Firebase` `Netlify`

STATIC PROGRAM ANALYSER FOR SIMPLELANG - a C++ Desktop App   2018
ℹ Code privatised (due to school policy) but available on request

A C++11 desktop static program analyser application. Worked extensively on the tokenizer and the parser for parsing the given input source code. Made sure code followed design principles such as Open-Closed Principle. Wrote unit, integration and system tests using equivalence partitioning.

`C++`

MONEY JAR - a React TypeScript Web App   2018
 jars.karrui.me ◯ github.com/karrui/money-jar-web

A sharable, online "money" jar progressive web application to keep track of contributions and how far one is from their goals. Built with TypeScript, using React as the front end and Firebase as the backing database. Hosted with Netlify.

`React` `TypeScript` `Firebase` `Netlify`

CHOPE GOD - an iOS App   2018
ℹ Hack & Roll 2018 Hackathon "Top 8" Winner

An iOS application hackathon submission for Hack & Roll 2018. Use Apple's ARKit to reserve seats at a meeting room or table by marking the spot with an AR pin. Firebase was used as the backing database to store coordinates of the dropped "pins".

`Swift` `Firebase`