# LEE Kay Yen | Software Engineer | Frontend

e0543918@u.nus.edu ❖ +65 91253518 ❖Singapore ❖ **https://kayyenl.github.io/Advanced-Portfolio/#**

Tech Stack: **Git**, **React.JS**, Firebase, Firestore, JavaScript, CSS3, HTML5, **Java**, Python, C, Assembly, Unity, Unreal 4.
Skills: Algorithm Design and Analysis, OOP, Functional Programming, Japanese (fluent), Translation (JP-EN)

## EDUCATION

**National University of Singapore (NUS)**                                                    **Aug 2020 – Current**
*Double Maj, Computer Science and Civil Engineering*                                                    *Singapore*
- *Grade: First Class Honors (GPA: 4.62/5.00)*, Top 5-10% in Cohort.
- 2nd Runner up in HDB Engineering Competition, AY20/21

**The University of Tokyo**                                                    **Aug 2022 – Jan 2023**
*USTEP Exchange Programme, Science and Liberal Arts*                                                    *Tokyo, Japan*
- Recipient of the JASSO Scholarship, funded by JP Govt.
- Undertook Graduate level Computer Science course, and Advanced Japanese Language Classes (N1)
- As a Board Games Circle Member, Facilitated the flow of monthly meets.

**Jurong Junior College (JJC)**                                                    **Feb 2016 – Dec 2017**
*GCE A-Levels, Science Stream*                                                    *Singapore*
- (Taekwondo) Awarded Colors Award (Sports Achievement) by Singapore Sports Council 2016 & 2017.
- (Taekwondo A-Div Males) Overall Champions, 2 Silver & 1 Bronze Medal.
- (Taekwondo Nationals) Achieved Individual Bronze Medal in 2016 Singapore Nationals.

## EXPERIENCE

**Self Employed**                                                    **April 2021 – Current**
*Programming Tutor*                                                    *Singapore*
- Tutored clients HTML, CSS, Flexbox and JS and Python best programming practices.
- Simplified hard programming concepts (responsive web development, CSS layouts, API Requests, Promises).

## PROJECTS (FRONTEND: React, HTML, CSS, JS, Firebase)

**Social Media App (React.JS, Facebook Clone)**  Repo at GitHub, Beta at [https://facebook-clone-iota-one.vercel.app]
- Implemented Google Sign-in user authentication by Firebase, displaying user's name, profile picture and posts.
- Posting, (user-authenticated) deleting, drag-drop images, commenting and like functionality implemented with full-responsiveness, complete with smooth skeleton states using React functionality.
- Polished with semantic HTML5, CSS3 and BEM best practices.

**Search Engine (React.JS, Google Clone)**        Repo at GitHub, Site at [https://google-clone-smoky.vercel.app]
- Fetched data from Google's API, displayed responsively based on search keywords.
- Implemented React Hooks, Context API for easy state-changes.
- Clean, Readable CSS3 code done in BEM style for readability and good practice.

**Anime-Words (Fetch API, JS, CSS, HTML)**       Repo at GitHub, Site at [https://anime-words.vercel.app]
- A responsive quote generator, using Fetch API to pull quotes randomly from a quotations database, with implementations to reduce the number of fetch calls made by the user.
- Optimized Fetch API calls to reduce load on Anime Quotes backend database.

**E-Commerce Bookstore (JS, CSS, HTML)**       Repo at GitHub, Site at [https://library-project-five.vercel.app]
- Designed a Responsive, Scalable website with shopping cart-logic, skeleton states and React functionalities.
- Smoothen page-to-page navigation with React (Router), showing ratings, discounts and writeups of every book.