

Liang Liu

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Front-End Developer M.Eng

My Portfolio: Liang-Liu.github.io

Skilled Front-End Developer with a variety of experience in designing and developing user-friendly, responsive web applications with a Master of Engineering Degree in Electrical & Computer Engineering. A quick learner with solid problem-solving skills. Passionate about innovative web developing technologies.

TECHNICAL SKILLS

Languages: HTML5, CSS3, JavaScript (ES6), JSON, Java, Python, C++,

Frontend: React Js, Redux, jQuery, Bootstrap5, Material UI, Tailwind CSS,

Backend: Node.js, Express.js, MongoDB, PostgreSQL, JWT Auth, Google OAuth 2.0.

Development: Git, GitHub, Bash, Command Prompt.

EDUCATION

University of British Columbia (GPA 4.30/ 4.33) - Vancouver, Canada

September 2017 – May 2019

MEng Electrical & Computer Engineering

University of Strathclyde (GPA 4.33/ 4.33) - Glasgow, UK

September 2015 – June 2017

BEng Electronic & Electrical Engineering

Hohai University (GPA 3.90/ 4.33) - Nanjing, China

September 2013 – July 2015

BEng Electrical Engineering and Automation

TECHNICAL PROJECTS (view more at Liang-Liu.github.io)

Full Stack Projects – PhotoBlog (MERN)

*Developed and deployed photoblog Single Page Applications (SPA) using **MongoDB, ExpressJS, ReactJS, NodeJS**.*

- Created app with user **JWT (JSON Web Token) Auth** Sign In/Sign Up, **Google OAuth** Sign In, user authentication & authorization feature.
- Created full **CRUD API** to provides features of reading, creating, editing, and deleting posts.
- The application used **Redux, React Router**, and **Material UI** for the frontend, and **MongoDB Atlas, Mongoose** for the backend.

React JS Projects – (E-Comm App, Movie App, Cocktail App, etc.)

*Developed and deployed Single Page Applications (SPA) using **React, React-Router, Redux**.*

- Used **React Redux** and **React Context API** for state management in applications.
- Used **React router, React Modal** in single-page applications for rendering multiple pages and navigating around each page to create a well-organized application with a clear hierarchy.
- Consumed **REST APIs** web service for fetching JSON format data asynchronously from a web server.
- Created Responsive Designs (Mobile/Tablet/Desktop) using CSS media queries, CSS grid, and utility class library (**Bootstrap 5, Tailwind CSS** framework).

Vanilla JavaScript Projects – (Weather App, Recipe App, Quiz App, etc.)

*Using Vanilla **JavaScript (ES6), HTML5, CSS3**, for user interface and web application development.*

- Created and deployed web applications with vanilla JavaScript (ES6), HTML5, utilized JavaScript for manipulating the DOM elements, making API calls, parsing JSON data, storing the data in browser LocalStorage.
- Utilized and fetched data from REST APIs using Asynchronous JavaScript (promises, events and async await) for better application performance.