

# Liang Liu

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## Front-End Developer M.Eng

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

**Web Developing:** HTML5, CSS3, JavaScript (ES6), JSON,

**Libraries & Frameworks:** React Js, Redux, jQuery, Bootstrap5, Tailwind CSS, Node.js, Express.js.

**Database:** PostgreSQL, MongoDB.

**Version Control:** Git, GitHub.

**CLI:** Git Bash, Command Prompt.

**Front-End Tooling:** NPM, ESLint, Chrome DevTools

**IDEs:** Visual Studio Code, Notepad++, PyCharm, Eclipse

**Programming Languages:** JavaScript, Python, C, JAVA,

## TECHNICAL PROJECTS

### React JS Projects

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

#### Project Highlights

➤ Cocktail App ([Demo](#))   ➤ E-Comm App ([Demo](#))   ➤ Movie App ([Demo](#))   ➤ Randomizer ([Demo](#))

- 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

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

#### Project Highlights

➤ Weather App ([Demo](#))   ➤ To-Do list app ([Demo](#))   ➤ Quiz App ([Demo](#))   ➤ Countdown ([Demo](#))  
➤ Recipe App ([Demo](#))   ➤ Movie App ([Demo](#))   ➤ Notes App ([Demo](#))   ➤ GitHub Profile Search ([Demo](#))

- 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.

## EDUCATION

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

**MEng** Electrical & Computer Engineering

September 2017 – May 2019

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

**BEng** Electronic & Electrical Engineering

September 2015 – June 2017

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

**BEng** Electrical Engineering and Automation

September 2013 – July 2015