

# Zhiyuan He

Frontend Engineer in Hayward, CA

Tel: +1(415)608-3052 E-mail: [zhiyuanfw@gmail.com](mailto:zhiyuanfw@gmail.com)

Github: <https://github.com/ReformedCola>

Personal Website: <https://horzhiyuan.com>

LinkedIn: <https://www.linkedin.com/in/jason-hor/>

Authorized to work in the U.S. without sponsorship

## EDUCATION

- **University of California, Riverside** **Riverside, CA**
  - B.S. Computational Mathematics 10/2014 - 09/2019

## SKILLS

- Proficiency with **JavaScript, ES6, TypeScript, SASS, CSS3, HTML5**
- Proficiency with **React.js, React Hooks, React Router, Redux, Lifecycle**, etc
- Proficiency with **Vue.js, Vue Cli, Vue Router, Vuex**, etc
- Experience in **Webpack**'s configuration and optimization
- Experience in useful libraries like **Echarts.js, Day.js**, etc
- Experience in **Git/GitHub**

## PROJECTS

- **iExpense (React)** 06/2020  
[Preview](#) | [Source Code](#)
  - Developed iExpense again with **React.js** and **TypeScript** to see which framework is better
  - Implemented components with React.js features, such as **hash Router, function component, onChange, props**, etc
  - Applied customized **React Hooks** and **useState** instead of **Redux** to read and write stored data in **localStorage**
  - Utilized charts from **ECharts** and ranking system with sorting to help users visualize their expense and income
  - Used **Styled Components** and **ThemeProvider** to customize component styles easier within JavaScript

**Skills:** *TypeScript, React.js, React Router, React Hooks, Styled Components, Function Component, ECharts.js, Svg Symbols, localStorage*
- **iExpense (Vue)** 05/2020  
[Preview](#) | [Source Code](#)
  - Developed a Bookkeeping Single-Page Application with **Vue.js** and **TypeScript** for users to record and track their expense and income easily
  - Implemented components with Vue.js features, such as **slot, .sync, watch, prop, lifecycle hooks**, etc
  - Applied **Vuex, computed, v-model**, etc. to read and write stored data in **localStorage**
  - Utilized charts from **ECharts** and ranking system with sorting to help users visualize their expense and income
  - Used CSS preprocessor **Sass** to customize component styles and define **Mixins** and sass function to reuse 30% styles

**Skills:** *TypeScript, SCSS, Vue.js, Vue Router, Vuex, ECharts.js, Svg Symbols, localStorage*
- **Web Navigation** 03/2020  
[Preview](#) | [Source Code](#)
  - Built a Responsive Navigation Website with **JavaScript (ES6)** and **jQuery**
  - Implemented logic with jQuery API, such as **events, DOM manipulation**
  - Used CSS with **media queries** for the compatibility with both phone and pc
  - Stored data with **hash map, JSON**, and **localStorage**

**Skills:** *JavaScript (ES6), CSS3, jQuery, localStorage, JSON, SVG Symbols, Media Queries, HTML5*
- **Pikachu** 02/2020  
[Preview](#) | [Source Code](#)
  - Utilized **jQuery, HTML5, CSS3** to draw a Pikachu on a web page
  - Drawing a Pikachu dynamically while writing CSS codes line by line

**Skills:** *JavaScript (ES6), CSS3, jQuery, HTML5*
- **Quick Sketch Book** 01/2020

### Preview | [Source Code](#)

- Built an online Quick Sketch Book based on **Canvas** for users to draw their notes or ideas down quickly and easily
- Implemented drawing and erasing function through **eventListener** with mouse events
- Users could choose different colors or sizes of pen for drawing
- Provided image download option through temporary generated anchor element

**Skills:** *JavaScript (ES6), Canvas API, HTML5*