

# 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>

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

Authorized to work in the U.S. without sponsorship

## EDUCATION

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- University of California, Riverside

- B.S. Computational Mathematics

Riverside, CA

10/2014 - 06/2019

## SKILLS

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

## PROJECTS

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- iExpense (React)

06/2020

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

- Developed a Bookkeeping Single-Page Application with **React.js** and **TypeScript** for users to record and track their expense and income easily
- 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*