Zhiyuan He

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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** and **Git/GitHub**
- Experience in useful libraries like **Echarts.js**, **Day.js**, etc
- Experience test tools like **Mocha**, **Sinon**, **Chai**, **karma**, **Travis CI**

PROJECTS

- **Snowflake UI** 09/2020
  Preview | Source Code
  - Developed a UI library with **Vue.js** and **ES6**, inspired by Ant Design and Element UI
  - Applied Vue.js features, such as **slot**, **transition**, **watch properties** to design and implement component
  - Wrote unit tests with **Chai**, **Sinon**, **Mocha** and set up CI environment with **Travis CI** and **Karma**
  - Utilized **VuePress** to build the documentation page

  Skills: Vue.js, JavaScript (ES6), SCSS

- **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