

# Zhiyuan He

Frontend Engineer in Hayward, CA

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Authorized to work in the U.S. without sponsorship

## Work Experience

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- **Enable Data (Frontend Engineer)** **01/14/2021 - Current**
  - Collaborated with cross-functional teams to develop and support customer-facing web applications, enhancing user experience and satisfaction.
  - Developed a web platform for customers to seamlessly purchase and manage trip plans, increasing user engagement and revenue
  - Developed and designed a headless e-commerce platform, enabling customers to efficiently browse and purchase products while fostering a visually appealing user interface
  - Collaborated with team members to optimize user interface, resulting in a more efficient and user-friendly tool for the organization
  - Gained valuable experience in Agile development practices and utilized various tools to effectively manage development and deployment processes

## SKILLS

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

## PROJECTS

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- **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*

## EDUCATION

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- **University of California, Riverside**

**Riverside, CA**

- B.S. Computational Mathematics

10/2014 - 09/2019