Wei Cui

Front-end Developer

wei.papahatzis@gmail.com | 0406189092 | Holding valid Australia work permit

https://weispage.vercel.app/ | https://github.com/buhuizuo

PROFILE

Developed and designed more than 10 visually appealing, interactive and user-friendly websites and applications. My fast-learning and execution capability has helped me achieved professional in Front-end Programming language and frame work, Git version control, Automated testing and Agile Development.

SKILLS

- React/Vue
- mySQL
- Node.js
- HTML/CSS/JavaScript
- GIT
- Java

EDUCATION

RMIT
Working on Bachelor of Information Technology
- Web Programming, included HTML,CSS,JS, PHP
- JAVA OOP programming
- Database Concepts, design and use SQL
- Data communication and Net-centric computing
- Software Engineering
- Computer System
- Security in Computing and Information Technology
- User Centred Design

WORK EXPERIENCE

CrossFit Counter(mobile App) 🔗
Tech Stack: **VUE** | HTML | CSS | Element UI | Animate.css | throttle
Goal：a specifically design timer to the features of cross-fit. get a better user experience.
- **Customized:** Designed and developed from customer requirements.communicated with client to analyse and define key functions, the way data is calculated and presented, user- interaction, storage of data and the choice of application platform.
- **Modular:** Achieved clean code and Easy maintenance, one module only implement one function and when the user interacts, the data is passed to different module to calculation and display. switching to records module by the router when viewing the history.
- **Responsive:** Improved presentation by using @media in CSS, adapting different screen sizes.
- **Performance:** Increased performance by using black-box test, design test data for Boundary value analysis to ensure data reliability.
- **User experience:** Achieved best user experience by observed user behaviors, using a large touch range to avoid easily press the wrong button when exercising. adding a different display for exercise and rest time for easy observation.

Newsroom Management System
Tech Stack: **React** | **React-router** | **Redux** | webpack | babel | Node.js | MySQL
Goal: to build a secure and efficient content management system
- **Permission control:** Implemented user role-based access control by adding authentication fields to user data table. get role of the user through the token, dynamically calculate the routes corresponding to the user's role, then mount these routes.
- **Security:** Achieved by set up token expired time, back-end validates each request using token in request head. front-end to control page-level permissions. Encrypt sensitive data across internet.
- **Optimization:** Avoid sending too many request by stored routing information in redux and local localStorage. also using debounce and lazyload to optimize loading speed.

Cinema/Ticket Booking System 🔗
Tech Stack: Html | css | JS | PHP
Goal: provide cinema movies information and ticket booking service for audiences.
- **Responsive:** Improved user experience by providing 2 layout to adapting web and mobile use case.

- **Update and maintenance:** Achieved efficiently updating and maintenance of content by storing and generating front-end code by PHP in server side.
- **Security:** verification of user input information on front and back ends to ensure user information is legitimate and prevent malicious attacks.

E-commerce platform 🔗

Tech Stack: **React** | webpack | babel | HTML | CSS | Axios | Lazyload

Goal:To practice React components communication, hooks and router

- **Usability:** Improved usability by streamlined process, more interaction on the page, increasing compatibility and SEO.
- **Security:** encrypt sensitive user data shared across the internet.
- **maintainability:** Achieved clean code and easy maintenance by modular programming, Encapsulated Axios and reused components to improve code readability & maintainability.
- **Optimized:** Speed up 20% page loading time by compress photo size and using lazyload.

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