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Li Zhang

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Technical Skills

Strong: JavaScript (ES5/ES6), React.js, Redux, Node.js, Express, jQuery, AJAX, Axios, PHP, MySQL, OOP, APIs, HTML5, CSS3, Bootstrap, Materialize, Responsive web design, Unix, Linux.

Experienced: Python, Microsoft SQL Server, Transact-SQL.

Tools: Git, GitHub, AWS (EC2, S3), NPM, Apache, Postman, Chrome Dev Tools, Agile methodology, Scrum, Slack, Confluence, Jira, MeisterTask, Trello, Adobe Illustrator and Photoshop, GIMP.

Selected Applications

PartPig: [github](#) | [live](#)

- An e-Commerce platform to facilitate the trading of used automobile parts.
- Used **React.js/JSX** for component creation and page routing, **Axios** for requesting server data, and **CSS3** for **UI/UX** design and **responsiveness**.
- Set up **AWS EC2** to host the server and **MySQL** database, and **AWS S3** for image storage.
- Served as the **Database Admin**, utilized **SQL** for queries and **PHP** for handling client requests.

TrailMix: [github](#) | [live](#)

- A web application that provides detailed hiking trail information based on user-selected location.
- Built the application using **React.js** and **Redux**. Applied **CSS3** for styling and **responsiveness**.
- Implemented multiple **APIs** from **Google**, **REI** and **Dark Sky Weather**.

NatureConnect: [github](#) | [live](#)

- A web version of the classic Connect-Four game.
- Used a combination of **core JavaScript** and **jQuery** for DOM creation and manipulation, game logic and functionality.
- Utilized **jQuery-UI** for token animation.
- Designed the UI, and styled the app to be fully **responsive**.

Work Experience

Assistant Specialist, Step I & Step II - University of California, Merced 2013 – 2017

- Managed NIH-funded multi-million dollar research projects with domestic and international collaborations. Lead teams that consisted of 5+ junior researchers.
- Produced publications in scientific journals, and received promotion for outstanding performance.

Postdoctoral Researcher - University of California, San Diego 2008 – 2012

- Carried out SQL data management operations for in-house human genomic DNA sequencing results.
- Performed statistical analyses for identification and validation of genetic risk factors of eye diseases.

Education

Ph.D. in Biochemistry, Texas A&M University, College Station, TX

B.S. in Biochemistry, Sichuan University, Chengdu, China

LearningFuze Accelerated Web Development Program, Irvine, CA