

Alice (Zifei) Lu

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Projects

To Do List (11/2020-12/2020). A single page responsive web application that allows a user to add, edit, and delete to do list items by sending API requests (GET, PUT, POST, DELETE) to the server.

PERN stack (PostgreSQL, Express.js, React.js, Node.js) JavaScript ES6, HTML, Bootstrap, Heroku, Webpack, CORS, pg (node-postgres), RESTful APIs

Burger Builder (09/2020-11/2020). A responsive web application that allows authenticated users to build and order a burger by adding/removing ingredients, with an order summary displayed upon checkout and user can proceed to filling out contact data. ***React.js, Redux, JavaScript ES6, CSS 3, HTML 5, Webpack, React-Router, Axios, Jest/Enzyme (Unit Testing), Firebase Database/Authentication***

Test Plan Approval System (10/2020). A program that organizes test plan approvals for multiple levels of management by using different algorithms such as Depth First Search (DFS) & Breadth First Search (BFS) for the approval process and finding the shortest paths. ***Python***

Education

University of California, Santa Cruz

09/2016 – 06/2020

B.S., Computer Science

- GPA: 3.71
- Awards: Honors in Engineering (top 15%)

Programming Languages, Technologies, and Skills

- **Languages:** Python, JavaScript, HTML, CSS, SQL, Java
- **Technologies/Skills:** React.js (w/ Redux), Node.js, Express.js, Vue.js, Bootstrap, Database Systems (PostgreSQL, Firebase), RESTful APIs, Performance, Accessibility, Debugging, Jest/Enzyme (Unit Testing), Postman (API Testing), Webpack, NPM, Figma (Prototyping), Heroku, Content Management Systems (CMS), Android Studios, Git
- **Other Skills:** Responsive Web Development, UX/UI Design, Data Structures, Algorithms, Mobile App Development, Computer Systems Design, Data Mining, Project Management

Work Experience

Human Resource Generalist/Student Assistant

02/2019-Present

UC Santa Cruz Staff Human Resources (SHR), Santa Cruz, CA

- Led and trained a team of 3 students in a project to update web pages by reviewing/editing web page content, understanding policies, and communicating with subject matter experts
- Updated more than 60% of the HR website using the campus Web Content Management System (WCMS), reviewed HTML source codes to ensure consistent styling, and examined ways to improve user experience (UX) such as analyzing site navigation/ design
- Suggested more than 5 design and content recommendations for the COVID-19 informational website workgroup to improve UX by navigating through the site and researching similar sites
- Generated an expense report from over 25,000 data entries by writing a Python script, using openpyxl to extract data from several Excel workbooks and functions to parse data, trace upper hierarchy levels, store data relationships, and sum up expenses
- Reduced ~90% time and effort needed to manually identify emails to add/remove between 2 different Excel workbooks with over 350 entries by automating the process with a Python script, using openpyxl to extract data and functions to parse data and identify differences