

## Alice (Zifei) Lu

San Francisco, CA • [alicelu625@gmail.com](mailto:alicelu625@gmail.com) • <https://alicezlu.com/>

GitHub: <https://github.com/alicelu625> • LinkedIn: <https://www.linkedin.com/in/alice-zifei-lu/>

### Projects

---

#### Split the Bills (Present)

- Collaborating with an UX designer to develop an application that would increase ~50% efficiency of splitting the checks/bills between a group of people (Ex. dining) by automating the calculation
- Conducted competitive analysis of 5+ similar products to identify strengths and weaknesses
- Collected and analyzed over 30 sample data to draft and test 3+ different scenarios
- Tools: *React.js, JavaScript ES6, CSS 3, HTML 5, Webpack*

#### To Do List (11/2020-12/2020)

- Developed a single page responsive web application with reusable components
- Implemented APIs (GET, PUT, POST, DELETE) to retrieve, store, manipulate, remove data
- Tools: *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)

- Developed a responsive web application with reusable components and state management
- Implemented APIs to retrieve/store orders and authenticate users via Google Firebase
- Tools: *React.js, Redux, JavaScript ES6, CSS 3, HTML 5, Webpack, React-Router, Axios, Jest/Enzyme (Unit Testing), Firebase Database/Authentication*

### Skills and Technologies

---

- **Programming Languages:** Python, JavaScript, HTML, CSS, SQL, Java
- **Technologies:** React.js (w/ Redux), Node.js, Express.js, PostgreSQL, RESTful APIs, Performance, Accessibility, Debugging, Jest/Enzyme (Unit Testing), Postman (API Testing), Webpack, NPM, Figma (Prototyping), Heroku, Firebase, Android Studios, Git
- **Technical Skills:** Responsive Web Development, UX/UI Design, Data Structures, Algorithms, Database Systems, Mobile App Development, Computer Systems Design, Project Management
- **Other Skills/Traits:** Problem Solving, Adaptability, Eager to Learn, Teamwork, Leadership, Organization, Passionate, Communication, Priority Management, Creativity, Flexibility
- **Multilingual:** English, Chinese (Mandarin, Cantonese)

### Education

---

University of California, Santa Cruz

09/2016 – 06/2020

B.S., Computer Science

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

### Work Experience

---

UC Santa Cruz - Staff Human Resources Generalist/Student Assistant

02/2019-Present

- 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 60%+ of the HR website, 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
- 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