

Jennifer Lai

Web Developer

CONTACTS

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Portfolio: jen-icl.com

TECHNICAL SKILLS

Strong

JavaScript ES5, ES6, jQuery, OOP, HTML5, CSS3, AJAX, Axios, JSON, ReactJS, PHP, MySQL

Experienced

Node.js, REST API, Sass, Redux, Bootstrap3/4, MaterializeCSS, Flexbox, Apache2, AWS EC2 S3, Regex

Tools & Methodologies

Git, GitHub, Chrome Developer Tools, Agile Methodology, MAMP, GIMP, MeisterTask, Postman, Figma, DB Designer, VS Code

EDUCATION

The University of Sydney

Bachelor of Science (Honours), Pharmacology

LearningFuze Accelerated Web Development Program

- Committed over 70 hours of programming per week
- Learned to develop applications in a dev team environment

INTEREST

I enjoy travelling to explore and experience different cultures. Allows me to challenge myself and move out of my comfort zone.

APPLICATIONS DEVELOPED

Myster Travel [URL]

- A mobile/desktop application built to allow the user to plan for an upcoming trip and record experiences while traveling
- Responsible for server-side backend written in **PHP** to bridge connection between **MySQL** database and frontend **Axios** requests
- Produced a single page app using **ReactJS** and **Redux** and styled with **Sass** and **Bootstrap4** to create a responsive design
- Integrated **AWS S3** for image hosting and Google Maps **API**
- **Git**, **GitHub** to combine team effort and version control the project
- Applied **agile** methodology to break down ideas to small workable featuresets and prioritize tasks to keep the team focused
- **MeisterTask** to keep track of tasks and deadlines

We Only Get One Planet – 48-hour Hackathon [URL]

- An application designed to share local clean up events in hope to inspire people to take part in reducing litter
- Integrated 4 **REST APIs**, Eventbrite, Mapbox, OpenWeather, and NewsAPI to inform the user about clean up events
- Used **OOP JavaScript** to coordinate responses from **AJAX** requests and **jQuery** to display dynamic data on the DOM
- **HTML5**, **CSS3**, and **Bootstrap4** to structure a responsive design for various screen sizes

Grocery List [URL]

- A content management system (**CMS**) to include all CRUD functions that enables the user to read, add, update and delete grocery records from a database
- Written in **ReactJS** and styled using **MaterializeCSS** to build a modern, interactive design with mobile responsiveness
- Constructed a **Node.js** server to serve **JSON** data in response to **Axios** requests to a **MySQL** database

PROFESSIONAL EXPERIENCE

Research Associate

The University of Sydney

2014 to 2018

- Developed strategies to organize biological data and analyze biological changes through application of variance statistics
- Involved in a cross-laboratory collaboration project to validate theories through design of creative experimental techniques
- Attentive to observe minor biological changes and constantly problem solving to overcome processes that impede progression
- Communicated with students through leading small group discussions to resolve misinterpretation of confusing topics
- Picked up a dormant project that was unsuccessfully attempted over 8 months by a previous lab member and successfully produced the product with high yields