Jacky Lu

| lujacky81@gmail.com | [e-portfolio](#) | 682-583-4988 | DFW |

Education

Washington University in St. Louis
- **Bachelors of Science in Computer Science** *Class of 2023*
- **Relevant Coursework:** Data Structures and Algorithms (Java), Object-Oriented Software Development (C++), Data Manipulation and Management (Python, SQL), Video Game Programming (C# Unity), Elements of Computing Systems (Python, C), AI and Society (Python), Introduction to Computer Engineering (C), Introduction to Digital Logic and Computer Design (VHDL), Introduction to Data Science (Python), Web development (HTML/CSS), UX Research Methods for Design (Figma), Technical Writing.

Project Experience

Frontend E-portfolio | [Website](#) | [GitHub](#) *Summer 2023*
- Created a responsive website using HTML, CSS, and Javascript that includes basic info about me, info about my other projects, and a contact page. In the projects section there is a brief description about the project and links to both the website and the source code on github. The contact page lets the user send any message to my personal email.

Meal Maker | [Website](#) | [GitHub](#) *Summer 2023*
- This website uses TheMealDB API as a backend to dynamically serve its content. There is a search bar that allows the user to search for any recipe within the API and show all the ingredients needed along with the corresponding measurement. The user can also input any ingredients they have to find which recipes can use the inputted ingredients. There is also a random button if the user would like to have a random meal shown to them.

Personal Code Knowledgebase | [Website](#) | [GitHub](#) *Summer 2023*
- This website was built using React and is essentially my own personal notebook of topics that I felt were important enough to keep note of, specifically for frontend development. It includes pages for HTML, CSS, Javascript and React. By using React's BrowserRouter, all pages can quickly be viewed by the user without the whole site refreshing when the page is changed. The functionality of the website is fully implemented, but as a "notebook" I can always add more content to it as I learn more and it could potentially be expanded to other coding languages outside of frontend development.

ETL Pipeline w/ Data Visualization using OMDB API and Python Dash *Spring Semester 2023*
- Sourced information using Python and OMDB's online API and then implemented a pipeline to normalize the data using DBT. The clean data was then used in the Dash application to visualize the dataset and allow the user to explore the data through interactive graphs. The goal of the project is to use the movie data from OMDB and determine which director would yield the highest average box office gross income based on previous movies they have directed.

Laravel REST API for Whiteman Air Force Base *Fall Semester 2023*
- Created a prototype for an Uber-like service for Whiteman Air Force Base as part of their Airmen Against Drunk Driving Program where the goal is to allow the Air Force base members to request a ride back to base after a night out drinking. Their current service is only accessible via phone call and our task was to design and prototype a way for the Air Force base members to more easily use this service by moving it away from a phone call and onto a website or mobile application. Our focus was to implement the core features of the database and API endpoints that would handle all parts of requesting and completing a ride request on both the driver and passenger side.

Skills

Technical Languages and Frameworks: HTML5 | CSS3 (BEM) | JavaScript ES6+ | React | Python | SQL
Technologies: Git | Github | Figma | NPM
Other: Strong written and verbal communication