

EARL WOO

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SOFTWARE ENGINEER

[Linkedin](#)

[Github](#)

[Portfolio](#)

OBJECTIVE

Results-driven software engineer with 13+ years experience in a fast-paced, collaborative, hospitality environment eager to transition to a development role leveraging interpersonal and technical expertise to create meaningful, high-impact software.

SKILLS

Frontend: React, Redux, HTML5, CSS3

Frameworks/Tools: Express, Flask, SQLAlchemy, Sequelize

Backend: JavaScript, Python, PostgreSQL

Other: Docker, Git, Heroku

TECHNICAL EXPERIENCE & PROJECTS

SlackX (JavaScript, Python, React / Redux, Flask, SQLAlchemy, HTML, CSS)

[Live Site](#) | [Github](#)

A full-stack Slack clone, it is a single page communication platform that allows users to share messages in public and private channels.

- Collaborated with a team of 4, utilizing pair programming and **Github** workflow to simultaneously work on multiple features.
- Created custom class method for **Model classes**, converting data objects to dictionaries resulting in **data retrieval efficiency** and $\frac{2}{3}$ less **api fetch calls** for equal amounts of data
- Utilized **Web-sockets** to enable live time chat, using **useEffect** and **useParam hooks** to open and close chat sockets based on the channel's id, preventing latency issues of having multiple sockets opened and addressing unnecessary re-renders with **Redux**

My-Neighborhood (JavaScript, Python, React / Redux, Flask, SQLAlchemy, Chakra UI, HTML, CSS)

[Live Site](#) | [Github](#)

A full-stack single-page social interaction web app to promote community and your pet's well being.

- Converted user's address to latitude & longitude coordinates for **Google Maps Api** using **React-Geocode**, enabling registered users to be mapped on the map by their physical address
- Implemented customized map markers and info windows for mapped coordinates, enabling users to interact with neighbors directly through the **Google Maps**
- Utilized **dynamic** modal and drawer components without address change, providing a seamless, interactive single-page experience.

Welp (JavaScript, React / Redux, Express, Sequelize, HTML, CSS)

[Live Site](#) | [Github](#)

A full-stack Yelp clone, listing various businesses and displays restaurant details with a dynamic user review system

- Showcases live time search results by querying from previously fetched data in the **Redux store**, minimizing expensive interactions with the database in the back-end, while providing a smoother search experience for users on the front-end
- Merged data from multiple **RESTful API** endpoints, creating custom objects to be stored in the project's database, enabling data objects to hold more or desired information for a single restaurant, creating a **50% improvement** of space in the database

Remember the Whey (JavaScript, Pug.js, Express, Sequelize, HTML, CSS)

[Live Site](#) | [Github](#)

A full-stack Remember the Milk clone, a single page web tool to track or modify workouts and exercises

- Created a **robust** search feature using various for loops and else if cases, granting users an option to include or exclude the search term, and a feature to include task notes in the search field
- Implemented event listeners to the root of the **DOM**, allowing newly rendered **HTML** elements by **Pug.js** to be identified by using capturing principles (opposite of the bubbling principle) on click, resolving a bug that could prevent a single page approach

EDUCATION

App Academy | Full-Stack Software Development

2021

- Rigorous 1000+ hour program with <3% acceptance rate. Coursework included: OOP (Object Oriented Programming), TDD (Test Driven Development), Agile/SCRUM Methodologies, Data Structures, Algorithms

University of Pittsburgh Pittsburgh, PA

2006 - 2009

- Relevant Coursework: Psychology, English Literature and Writing, Calculus, Algebra, Geometry

ADDITIONAL EXPERIENCE

Hospitality Industry, Manager, Server, Bartender | Various Locations

2008 - 2020

- Provided exceptional customer service by coordinating and communicating with various teams from **10-150** employees, communicating effectively and efficiently with multiple departments within the restaurant in a **fast paced** environment
- Increased monthly profit for a single menu item after using research and data of restaurants in the surrounding area to adjust the price, yielding a **\$4,700 increase** in profit per month for the restaurant
- Hired, trained, and supervised a front of house staff of **15** and **25** members, creating and revamping a restaurant's training manuals and practices, increasing worker output, and safety, while also **decreasing** guest complaints by **20%** from service