ERIK PHI NGUYEN

Orange County, CA   714-837-5573   https://www.linkedin.com/in/erikphinguyen   https://github.com/erikphinguyen

SKILLS
Languages: Javascript, Python, SQL, HTML5, CSS3
Frameworks/Tools: React, Redux, Express, Flask, Sequelize, SQLAlchemy, PostgreSQL, AWS, Docker, Websockets
Key Skills: Pair Programming, Test-Driven Development (TDD), Object-Oriented Programming (OOP), Scrum Methodologies

PROJECTS
wearbnb | *(JavaScript, React/Redux, Node.js, Sequelize, PostgreSQL, HTML5, CSS3, AWS S3)*   **live** | **github**
- Delivered a fully functional web application, modeled after the famous Airbnb website, that allowed users to interact and view brands they love, as well as being able to interact and view reviews on each respective brand.
- Created a reservation system where users would be able to book their favorite brand(s) so the brand itself could work with them and would allot the price according to how many days were booked.
- Incorporated AWS S3 buckets for image uploading, and users can simply copy images online as long as the copied image begins with "http://" or "https://" and ends with common image extensions (e.g ".jpg", "jpeg", and ".png")

Accord | *(Python, React/Redux, Flask, SQLAlchemy, HTML5, CSS3, Websockets)*   **live** | **github**
- Spearheaded this project by creating the skeleton of the frontend and backend to ensure Accord would be completed quickly – User Authorization and Landing Page was completed first so the team could focus on features.
- Implemented websockets (socket.io) without any prior knowledge/instruction – this proved to be a difficult task, but with a combined effort of over 100 hours, the team was able to successfully apply a live chat to the project.
- Took initiative on the user experience/user interface by styling Accord similarly to Discord, a popular chat app, so users that are familiar with Discord could easily use Accord in the same fashion (e.g servers, channels, & live chat).

liqr | *(JavaScript, React/Redux, Node.js, Sequelize, PostgreSQL, HTML5, CSS3)*   **live** | **github**
- Produced a web application that is a spinoff of Flickr called liqr, where the theme is cocktails – registered and logged in users are able to post their concoction of liquid courage as well as having the ability to comment.
- Redesigned every button on the web application to have a "jumping" effect so that the user can feel more immersed into the page by having something that would essentially interact with the user.
- Measured personal web development skills by having a backend & frontend framework cooperate with each other.

EXPERIENCE
Quality Administrator
Valence Surface Technologies   Contract 2021
- Stimulated overall efficiency and turn-around by training a team of line operators on new anodizing techniques (e.g using current instead of voltage on hard coat anodize) on parts for reputable aerospace companies like SpaceX.
- Saved the company thousands of dollars by completing 100+ non-conformance reports to ensure quality is controlled in-house – operators were then supervised routinely to decrease the number of errors.
- Automated Pareto charts that were used by all departments (e.g Paint, Final Inspection, etc.) – this saved the company hundreds of hours by having consistent company error reports as well as percentage of errors made.

Research Assistant
Stanford University   March 2019 - April 2020
- Analyzed and compiled water quality research tests (i.e turbidity, flow rates, tracer tests, etc.) for columns that were oxidized/unoxidized, and had different mediums such as bio-charcoal, sand, and manganese oxide sand.
- Carried out literature review, investigated and troubleshot daily problems such as inadequate flow rate to columns, and sampled a plethora of treated water for daily analysis.

EDUCATION
App Academy - *Full-Stack Software Engineering, Sept. 2022*
California State University, Long Beach - *B.S Chemical Engineering, Aug. 2020*