Gabriel Leong

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Education

B.S. ECE Computer Engineering | University of California San Diego| Graduation Year 2023
GPA: 3.51
Provost Honors

Experience

Bass Pro Shops, Springfield, MO | Web Developer Intern | May 2022 - August 2022
- Improved the speed and performance of the "Suggested Items" pop up when a user adds an item to their cart by replacing Certona with Coveo product recommendation model.
- Assisted in migrating more than 20 PLP web pages from those using legacy code to React web pages by updating the URL to the correct structure in the backend using Java in a Rapid Application Developer for WestSphere Commerce.
- Helped develop a custom form generator in React along with another intern for the more than 100 people in the ecommerce team to organize surveys.

Projects

Board Game Ecommerce Site | React, NextJS, TypeScript, CSS | July 2022 - August 2022
- Built an eCommerce multi-page site for a fictional boardgame company using React, NextJS, and Typescript to learn more about these technologies and get hands-on experience.
- Learned about and implemented server-side generated pages (SSG), server-side rendering (SSR), and client-side rendering (CSR) in order to increase user experience through reduced load times and improve SEO performance.
- Used Board Game Atlas as the 3rd party API and the Fetch API to retrieve and display products.

Recipe Manager Website | HTML, CSS, JavaScript | September 2021 - December 2021
- Developed a recipe website along with 9 other students using agile software development methodologies using HTML, CSS, and JavaScript.
- Implemented an "Explore" tab using the spoonacular API where users can search for recipes and apply search filters.
- Created a save feature through "Cookbooks" where users can save their favorite recipes and are stored in IndexedDB.

Musical BPM Website | React, TypeScript, CSS | May 2022
- Taught myself React and Typescript within a few weeks in order to create a website that can calculate the beats per minute (BPM) from how fast the user clicks the button.
- The user can choose to save and delete their BPM values locally through the use of localstorage.

Skills

Programming Languages HTML, CSS, JavaScript, React, TypeScript, NextJS, Java, C, C++, Python
Software Visual Studio Code, Eclipse, Git