Luke Chang

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TECHNICAL SKILLS

JavaScript, HTML, CSS, React, Node.js, C++, Python, MERN, Styled Components, Firebase, Git, SEO-Optimization

EXPERIENCE

CSUF Summer Research Program: Data Science and Pairs Trading   **May 2024 - July 2024**

Collaborated with a team of three in the pairs trading section to develop algorithms that provide insights into optimal stock trading times based on historical data.

- Led team meetings, coordinated task delegation, and took charge of coding C++ functions for stock-related calculations.
- Developed helper functions to calculate key metrics, such as Pearson correlation coefficients, to analyze stock pairs like AMD and NVIDIA.
- Achieved accurate readings of variation and correlations between stocks, helping to determine the most profitable trading periods.

K.Sushi Website (https://ksushi.menu)   **August 2025 – Present**

Develop a dynamic website for my family restaurant, K.Sushi, featuring an interactive menu and delivery service links. The site provides a modern, QR-code-friendly digital menu experience that streamlines customer access to online ordering

- Built and deployed a full-stack digital menu website using React, Styled Components, Firebase, and Vercel/Porkbun, handling everything from UI to hosting and domain management.
- Implemented Google Sheets API integration, allowing non-technical users to update menu items in real time, including price, description, images, and portion details, reducing maintenance effort and improving workflow efficiency.
- Designed a user-friendly, scalable menu using accordion categories and quick navigation links, simplifying access to 130+ items for customers.

USIC - Contract Frontend Developer   **October 2021 - January 2022**

Usic is a web application for finding unsigned artists and their music based on where their music is successful. Users search for artists by different categories such as demographic, location, and genre. Building this project required a working knowledge of React Hooks, Redux, js-cookie, and Figma.

- Built 15+ UI components from Figma mockups using React Hooks, Styled Components, and Redux for a music discovery web app.
- Led a rehaul project replacing CSS stylesheets with Styled Components, fixing duplicate classes and improving maintainability.

PROJECTS

LAFPC Hackathon (github.com/moonjason/LAFPC-Hackathon)   **December 2019 - January 2020**

Placed 2nd in the LA Food Policy Council hackathon with a team of software engineers, designers, and data scientists, enhancing the website with interactive charts visualizing income, ethnicity, and diet relationships.

- Integrated React components, React router, and ApexCharts.js to retrieve and display data from the backend to build the Affordability page, which is designed to help users observe the correlation between income level and food-related diseases.

EDUCATION

University of California, Irvine – Irvine, CA

Bachelor of Science in Computer Science (Expected June 2027)

Cypress College - Cypress, CA   **August 2023 - May 2025**

Computer Science – Lower-division transfer coursework (August 2023 – May 2025)

Relevant Coursework: Intro to Prog Concepts in C, Data Structures in C++, Discrete Structures, Python Programming, Computer Architecture and Organization

GPA**:** 3.85