

# Dean Hsieh

(415) 802-8123   dcth628@gmail.com   [LinkedIn](#)   [GitHub](#)   [Portfolio](#)   San Francisco / Bay Area

**Skills**   JavaScript, Python, HTML5, CSS3, React.js, Redux.js, Flask, Express, Sequelize, Node.js, SQL, SQLAlchemy, Git, PostgreSQL

## Projects

**Tasty Nutrition** (JavaScript, Python, React / Redux, Flask, HTML, CSS, SQLAlchemy, PostgreSQL, AWS)   [Live Site](#) | [Github](#)

*A full stack application of a website where users can create custom recipes and ingredients and track nutrition facts.*

- Utilized AWS S3 to store image uploads reducing server load and allowing for scalability of image services.
- Produced the interactive UI using React Native styling and Figma user-centered design techniques, improving usability and user retention.
- Integrated external USDA Food API to fetch accurate nutritional information for ingredients and recipes, enabling users to make informed dietary choices and track their nutritional intake.
- Developed React components with Redux actions for querying a Flask backend, and streamlined communication for updating the Redux store with search results, viewing detailed nutritional information, and saving their favorite recipes.

**SpotiPy** (JavaScript, Python, Flask, PostgreSQL, React / Redux, React Player, HTML5, CSS)   [Live Site](#) | [Github](#)

*A full stack application clone of Spotify where users can stream music, create playlists, follow their friends, and upload music.*

- Integrated Redux with HTML5 media web components to implement a customized media playback to enhance user experience with tailored media controls.
- Designed a search algorithm that handles a search request query in different database tables for relevant records and returns the results in a structured format.
- Built a full-stack web application Spotify clone using Redux/React state management, dispatching actions and reducers to handle user authentication, music streaming, and uploading music.
- Developed the application's backend using Flask RESTful, ensuring a scalable and efficient server-side architecture.

**DeanBnB** (JavaScript, Express, Sequelize, React / Redux, PostgreSQL, SQLite, HTML5, CSS)   [Live Site](#) | [Github](#)

*A full stack application clone of the Airbnb website where users can host their homes, find vacation rentals, and leave reviews.*

- Built a fully functional Airbnb clone application using Express and Sequelize ORM for the database in a structured way to store and retrieve data efficiently, ensuring optimal performance and scalability for the application.
- Implemented React/Redux to build an intuitive and responsive user interface for seamless browsing, listing, and leaving review experience.

## Experience

**Project Manager - U.S. Department of Health and Human Services (HHS) - contract**

October 2022 - Present

- Led a team of 5 in providing technical and administrative support to the Region 9 office of Head Start, optimizing operations and achieving organizational goals.
- Supported 140 programs, managing grant awards, program guidance, and operational workflows for the Office of Head Start (OHS), ensuring monthly compliance and 20+ program completion.
- Oversaw 15 projects, ensuring timely delivery of weekly milestones and maintaining high work quality, increasing the correct rate from 85% to 96%.

**Administrative Assistant - MakerLabs**

Jan 2022 - Oct 2022

- Organized purchase, placement, and inventory by creating tracking systems to ensure efficient ordering and accurate reporting. The system decreased search times by 25% and reduced duplicate orders by 12%.
- Managed and overlook project goals and schedules through effective time management and Google Calendar, accomplishing 98% of project objectives within the 3-month goals.

**Quality Assurance Manager - G-SHANK**

Jun 2020 - Dec 2021

- Assisted 40+ worldwide clients, managed 10+ vendors, and oversaw 140+ products by proving specifications, fulfilling demands, and swiftly addressing complaints. Reduced complaint rate from 20% to 10% within a year.
- Improved production process and shipment to reduce freight damage and saved \$500,000 annually by identifying issues, analyzing data, and coordinating with the production and logistics teams.

**Store Manager - PAPABUBBLE SF**

Apr 2013 - Jan 2019

## Education

**App Academy**

Immersive software development course with focus on full-stack web development.

July 2022 - July 2023

**Bachelor of Arts in Sociology | TungHai University - TAIWAN**