

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 music uploading.
- Developed the application's backend using Flask RESTful, ensuring a scalable and efficient server-side architecture.

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

Quad Cipher is a mastermind game in which you need to guess a number combination.

- Built a fully functional mastermind game 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 create a user-friendly interface for submitting numbers, receiving feedback, and requesting hints from the backend.
- Integrated external Random.org API with dynamic parameters to fetch a random number to allow users to choose different difficulty levels and obtain a random number to start the game.

Experience

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

October 2022 - Present

Project Manager

- 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%.

MakerLabs

Jan 2022 - Oct 2022

Administrative Assistant

- Provided administrative support to 3 project managers and monitored 15 project progress within 6 month period by managing Google Calendars and AirTable, coordinating meetings, and organizing email.
- 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.

G-SHANK

Jun 2020 - Dec 2021

Quality Assurance Manager

- 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.
- Decreased product defective rate from 18% to 6% in a year by creating standard operating procedures (SOP), observing root causes with documented processes, and developing countermeasures.

PAPABUBBLE SF

Apr 2013 - Jan 2019

Store Manager

- Led a team of 7 employees to increase sales by 20% over a 6 month period by developing B2B/B2C strategies, marketing campaigns, and online sales platforms to target US nationwide sales and attracted corporate clients, including Google, Nike, Sony, Airbnb, Keds, Salesforce, and PlayStation
- Fulfilled customers' expectations by creating customizable solutions based on customers' budgets and needs, achieving over 95% of customers' satisfaction ratings.
- Expanded brand visibility with a 16% increase in revenue through coordinating outreach events such as candy-making demonstrations and classes by collaborating with organizations and corporate clients, including San Francisco Symphony, SF Pride, and local schools.

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