

# Kenny Hsieh /shāy/

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## COMPLETED PROJECTS

### Capstone Chat — Full Stack Final Project

Modeled after Slack's chat functionality, this app is built using **React** frontend and **Django**, **SQL**, and **Redis** on **Docker** as server and database. This app utilizes the upgraded HTTP protocol, **WebSockets**, for real-time communication as my final project for Harvard's CS50W course.

### Golden Lotus — Full Stack e-Commerce

This MERN (**MongoDB**, **Express**, **React**, and **NodeJS**) stack e-commerce app was built as an online web course project. The user authentication and authorization feature allowed for users to securely add items to the cart, checkout, and pay for products using **PayPal API** and administers to edit products, process orders, and manage customers. This site uses **Redux** for state management and is deployed on **Heroku**.

### BrandNewAdventure — Frontend Landing Page

This commissioned project was to design, develop, and deploy a responsive landing page for my client's destination wedding that allowed attendees to RSVP. Weekly zoom meetings were held to update clients and to gather feedback. This real-world project was constructed using **HTML**, **CSS**, **Javascript**, **Bootstrap**, and other open-source libraries. The site was deployed on **GitHub Pages** with a custom domain in June 2021.

### Pomodoro Gamified — Functional Frontend

I developed a simple gamified study timer app to keep me focused during my studies to become a software engineer. Pomodoro Simplified was built using **React's** framework, **Bootstrap** for styling, and deployed on **GitHub Pages** and it incorporates a reward system that encourages users to collect 'stars' upon frequent use without requiring users to log in by saving information to the client's local storage.

## EDUCATION

### Web Programming w/Python and Javascript, Harvard CS50W — Certificate

2021

We learned how to write and use **APIs**, create interactive UIs, leverage cloud services like **GitHub** and **Heroku**. We also dove into designing and implementation of web apps with **Python**, **JavaScript**, and **SQL** using frameworks like **Django**, **React**, and **Bootstrap**.

### Web Developer Track, Bloc.io (Thinkful) — Coding Bootcamp

2018

This course served as a base knowledge of web development learning **HTML**, **CSS**, **Bootstrap**, **JavaScript**, **React**, **CLI**, **NodeJS**, **Express**, and building **RESTful APIs**.

### Mechanical Engineering, California Polytechnic University, Pomona — Candidate

2004 - 2009

projects and portfolio at:

<https://kennyhsieh.me>

## LANGUAGE & SKILLS

JavaScript (*fluent*), Python (*proficient*), HTML5, CSS3, SQL, RESTful API, Command Line Interface

## FRAMEWORKS & TOOLS

React, Redux, Django, NodeJS, Express JS, MongoDB, Heroku, Git, GitHub, Docker, WebSocket, Font Awesome, Bootstrap, GitHub Pages, Django Channels, SquareSpace, JSON Web Token, MS Office

## PRIOR WORK EXPERIENCE

### Web Developer, Remote — Contracted

2021 - Present

**BrandNewAdventure** - Worked closely with the client to design, develop, and deploy the landing page for an upcoming wedding.

**Renew Church OC** - Assuming the role of project manager for the church's website redesign. Collaborating with a UX/UI designer for wireframes, constructing a project timeline, and developing the project. Estimated site launch Q4 2021.

### Kairos Solar, Providence RI — Owner

2018 - 2020

Kairos Solar is a solar installation company that achieved \$1M+ revenue and installed over 350kW by the second year in business. I established close relationships with electricians, local building officials, RI's Department of Energy Resource, and suppliers. I worked with the sales manager to drive sales and collaborated with project managers to optimize workflow for managing complex solar projects.