

# Jack Percival

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[GITHUB](#)

[LINKEDIN](#)

## SKILLS

React, Redux, Python, JavaScript, Node.js, Express, Flask, HTML, CSS, Sequelize, SQLAlchemy, SQL

## PROJECTS

**ChihuaWalk** (React, Redux, Python, HTML, CSS, Google Maps, Google Geocoder)

[live](#) | [github](#)

*An Airbnb clone focused on dogs, built with React, Redux, Python, HTML, and CSS*

- Incorporated the Google Geocoder API to validate user entered addresses and convert them into geo-coordinates to automatically render dog locations on a Google map
- Engineered a customizable search feature with Redux to allow users to search on a variety of optional characteristics and find results that fit their specific criteria
- Implemented custom React components to create a single page website with fully dynamic data rendering

**Discuss** (React, Redux, Python, HTML, CSS, Socket.IO)

[live](#) | [github](#)

*A chat-based web application inspired by Discord, built with React, Redux, Python, HTML, and CSS*

- Designed the majority of the application with custom CSS, including the splash screen, login and sign up pages, server and channel sidebars, and search page, to create a seamless user experience between every page and feature
- Organized the entire application's architecture and structure via React Router to reduce loading times, page refreshes, and React component re-renders
- Created an instant chat feature with the Socket.IO library to let users send and receive messages in live time

**Soccr** (React, Redux, Javascript, HTML, CSS)

[live](#) | [github](#)

*A Flickr clone for viewing and uploading soccer related images, built with React, Redux, Javascript, HTML, and CSS*

- Developed user privacy and autonomy via authentication, React Router, and BCrypt password hashing, to ensure only authenticated users can modify their photos and comments
- Connected the Express backend to a PostgreSQL database, utilizing the Sequelize ORM for validations and database queries
- Styled the website with user-centered design techniques to enhance usability and user experience

**Ace API** (Javascript, HTML, CSS)

[live](#) | [github](#)

*A website designed for users to view and organize APIs, built with Javascript, HTML, Pug, and CSS*

- Constructed the front-end JavaScript used throughout the application, to create an interactive user interface with minimal page refreshes
- Instituted custom SQL queries to efficiently show and update data to decrease server latency and increase loading speeds
- Built pages with Pug templates to create dynamic yet reusable code throughout the application

## EXPERIENCE

### Quality Manager

*Epic Systems*

2016 - 2021

- Tested software using a variety of techniques to find bugs and improve overall software quality
- Managed large scale software development projects and teams of 6+ people, from initial design to final release, to ensure that deadlines were met, all expected features were implemented, and high quality code was shipped
- Advised as the User Experience Coordinator for the Security R&D team, to create products that were beautifully designed and intuitive to use
- Authored technical documentation about software updates to educate customers and increase feature adoption rates
- Mentored new employees to ease their transition into their new roles and decrease onboarding times

## EDUCATION

**App Academy** - Rigorous 1000-hour full stack software development course with <3% acceptance rate | 2021

**Carleton College** - BA Economics | 3.64 GPA | 2012 - 2016