

# Owen Iwamasa

# Software Engineer

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## SKILLS

JavaScript, React.js, Redux, Python, Node.js, Express.js, Flask, Sequelize, PostgreSQL, SQLAlchemy, HTML5, CSS3, Pug, Jinja, Heroku, Git, AWS S3 Cloud Storage, Docker, Google Maps API, Agile Software Development

## TECHNICAL EXPERIENCE & PROJECTS

**Canvas** | (React / Redux, Python / Flask, Javascript, AWS S3, SQLAlchemy, PostgreSQL, CSS3) [Live](#) | [Github](#)

A Fiverr clone, where users can hire freelance artists and create an 'Artist Page' to receive work inquiries.

- Designed personalized 'Artist Pages' using vanilla CSS and a header image to showcase each artist's unique style.
- Connected **Flask** backend to **AWS S3** for scalability by utilizing Cloud storage and enhancing the user experience by allowing users to upload image files easily.
- Utilized **React** component architecture to efficiently develop form modals for reuse throughout the application.

**Sidewalk Surfers** | (React / Redux, Python / Flask, Javascript, API, SQLAlchemy, PostgreSQL, CSS3) [Live](#) | [Github](#)

An Instagram clone, for users to find skateboarding spots in the Los Angeles area and share content from these locations.

- Integrated **Google Maps API** with custom map-markers to display the location of each skateboarding spot with real-time, relevant data for the user.
- Leveraged **Google Maps Geocoding API** to provide an intuitive user experience and usability by translating user street address inputs into latitude and longitude coordinates.
- Implemented search bar functionality by filtering users and skateboarding spots for search input using **JavaScript** array methods and displayed results in an **HTML** select field.

**Hullabaloo** | (React / Redux, Javascript, Express, PostgreSQL, Heroku, CSS3)

[Live](#) | [Github](#)

A Bandcamp clone, where users discover comedy podcasts and create their own.

- Created a custom event listener for **HTML** audio player that increments podcast and episode play counts.
- Implemented followers with a following count for podcasts by connecting users and podcasts in a **PostgreSQL** database table.
- Designed a dynamic home page with **JSX conditional rendering** to display 'followed' podcasts and / or search results, when either exists.

**GoodTunes** | (Javascript, Express, PostgreSQL, Pug, Heroku, CSS3)

[Live](#) | [Github](#)

A GoodReads clone, for users to discover and create a collection of their favorite music albums.

- Utilized **Express** backend queries to display albums ordered by ownership count.
- Implemented search bar using an **Express** backend and 'Discogs' **API** to improve the user experience by making all albums in the database accessible throughout the application.
- Connected **PostgreSQL** backend to the 'Discogs' **API** to access a larger database of album information.

## EDUCATION

**AppAcademy** - Full Stack Software Engineering

2021

- 1000-hour immersive full-stack web development program with <3% acceptance rate
- Relevant Coursework: JavaScript, Python, React / Redux, Node.js, Data Structures & Algorithms, Object-Oriented Programming, Testing, Internet Protocols, Git, Docker

**City College of New York (University)** - BA Economics

Graduated 2019

**New York University** - Undergraduate Education

2013-2016

## ADDITIONAL WORK EXPERIENCE

**Set Builder / Carpenter** - SF Surface

Oct 2020 - April 2021

- Constructed 25+ stage sets through collaboration with team members, troubleshooting unforeseen circumstances, and testing potential solutions to bring projects to completion while being agile and adaptable in the process.

**Carpenter Apprentice** - Big Bear Custom Build, Inc.

March 2019 - March 2020

- Translated business needs into tangible action items by acting as liaison and efficiently communicating between contractors, designers, and clients to refine project details, create and update schedules, and organize meetings.