# Christopher Mizell

### Software Engineer

(925) 203-8785   [Github](#)   [LinkedIn](#)   [Portfolio](#)   [chrislmiz311@gmail.com](mailto:chrislmiz311@gmail.com)   San Francisco, CA

## SKILLS
React,  JavaScript, Python, Redux, TDD, HTML5, CSS3, SQL, Git, Heroku, ORM,  Node.js, Express.js, Flask, SQLAlchemy, Sequelize, Data Structures and Algorithms, AWS.

## PROJECTS

**Quizlr** (Python, Flask, SQLAlchemy, Alembic, JavaScript, React, Redux, CSS3, PostgreSQL)            [Live Site](#) | [Github](#)
*A Quizlet Clone where users can create studiable quizzes, make flashcards, and save a library of quizzes. Built using React / Redux frontend and Python / SQLAlchemy / Flask.py backend. Integrated PostgreSQL database.*
- Reduced needed **PostgreSQL** database tables by 25% and heavily DRYed up backend code by utilizing a one-to-many polymorphic table on the database level.
- Incorporated **React-Redux** container and **Redux** selector patterns to architect highly scalable and uni-directional front-end state management to clean up load times by 80%.
- Assembled interactive search feature by utilizing **Flask** backend routes to query into **PostgreSQL** database returning results in o(n) time to assist users in finding specific quizzes.
- Implemented **Node.js NPM** packages to assemble seamless and interactive input boxes and a carousel that aids user experience.

**Vapor** (Python, Flask, SQLAlchemy, Alembic, AWS, Boto3, JavaScript, React, Redux, CSS3, PostgreSQL)            [Live Site](#) | [Github](#)
*Pixel Perfect Clone of Steamgames web application built using React / Redux frontend and Python / SQLAlchemy / Flask.py backend leveraging PostgreSQL for a scalable database.*
- Utilized **AWS S3** bucket to implement user and game images upload interface, reducing server load and allowing for scalability of image services.
- Optimized **Redux** state by flattening data, allowing for 0(1) lookup time, therefore cutting load times by 100%.
- Incorporated MVC architecture with polymorphic model associations to reduce the number of required tables by 25%.
- Customized frontend **CSS** for pages login, signup, store and game details to create a pixel perfect application of [Steamgames](#).
- Designed a **React** modal and menu with **React-MUI** carousel to showcase posting, editing, and deleting images on game pages.

**Vinyl**  (JavaScript, Pug, CSS3, PostgreSQL, Sequelize, Express.js, Node.js)            [Live Site](#) | [Github](#)
*Web-based discussion application using Pug /  CSS frontend and Javascript / Sequelize backend leveraging PostgreSQL for a scalable database server.*
- Developed and devised **Express** and **Sequelize** backend to connect to **PostgreSQL** database allowing storage of user-created data in o(n) time.
- Leveraged **Sequelize** queries in a sorting algorithm to display the most popular posts on the splash page.
- Implemented modals using **JavaScript** event-listeners and **CSS3** to facilitate intuitive UX / UI to eliminate user confusion.
- Collaborated with a team of 4 engineers utilizing **Git** flow to maintain code and to minimize merge conflicts.

## EXPERIENCE

**Hotel Zeppelin**                                                                                              **San Francisco, CA**
*BellPerson*                                                                                              January 2020 – March 2020
- Contributed to a positive, empowering environment by providing recommendations to restaurants, reserving tables, and scheduling transportation services when needed.
- Assisted in Guest Services areas that include the drive up to ensure proper handling and organization of guest luggage.
- Aided management in the delivery of mail, room key cards, extra sundries, and amenities to hotel guest rooms.
- Welcomed guests by escorting to rooms, providing an overview of hotel amenities, handling inquiries, and providing customized information about hotel and city attractions.

## EDUCATION

**App Academy**                                                                                              **San Francisco, CA**
*Curriculum of Study in Web Development (Python and JavaScript)*                                        December 2021– June 2022

**Diablo Valley Community College**                                                                              **Concord, CA**
*Associates in Computer Science*                                                                              January 2017– Present