# Sergio Medina

P. 310-890-1214    MedinaomMedina@gmail.com    LinkedIn    GitHub    Portfolio    Los Angeles, CA

## SKILLS

JavaScript, React, Redux, AWS, HTML5, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, Python, Java

## PROJECTS

**My__Yelpy |** *HTML5, React, Redux, Ruby, Javascript*
Live Site | Github
*Discover a new coffee shop or your next favorite restaurant with user tailored reviews.*
- Utilized Rails relational database with Yelp businesses & reviews to prevent unnecessary AJAX calls to make the app faster.
- Created a Search feature that queries across all tables to give the user complete control with their search experience.
- Designed an intelligent review(s)/5 star system(<div>) that self-updates with the correct average after every new business review submission to deliver a user experience that is current.

**Dominos - Capicua SLAM! |** *React, MongoDB, Mongoose, Konva, Express, node.js, HTML5, Javascript*
Live Site | Github
*Online multiplayer game of Dominos with a twist!*
- While building the 2 player (Human vs Human) code, we built in code to handle the AI player before the AI was created to minimize future refactoring.
- Designed a function with the intelligence to be able to render & manipulate a domino play-piece at the appropriate orientation to decrease the total file size at start up by making one *.svg graphic versatile.
- Crafted a 'join/create server' page that handles all the phases from join/create -> lobby -> start game in one versatile component to minimize file(s) clutter and enhance the UX with one magic page.

**Aliens and Humans Simulator |** *HTML5, canvas, Javascript*
Live Site | Github
*Click to build in this empire style game. Build the wrong empire and the aliens will turn humanity into chickens.*
- Utilized Object Oriented Programming to organize gameplay features & sprites to deliver an easy to follow index.js for code connoisseurs.
- Prevented the cpu from loading and parsing sprites at a given coordinate by designing a metadata hash { } to save player 'state' to conserve cpu resources and encourage progressive gameplay.

## EXPERIENCE

**Restaurant Waiter**
*Ventana Grill,* May 2018 - Aug 2019
- Structured the correct logic to accommodate a heavy volume of customers to ensure satisfaction for 42 customers per hour - or ~$1,800 per hour.
- Negotiated within four minutes with customers to ensure a minimum of $40 on the bill per table by recommending extravagant Margaritas with fine Reposado tequila over water.

**CEO - Owner**
*Car2Zen*,  June 2012 - Dec 2015
- Developed the frontend website for Car2Zen to attract more sales and deliver complete knowledge for customers to make an educated, expensive decision.
- Owned and operated a mobile waterless car wash and maintained a 5 star Yelp review over 3 years.
- Negotiated with car enthusiasts to increase revenue from $25 to $250 from a basic car wash to a full detail, or from $250 to  $2,200 from a full detail to a ceramic coating/sealant.

## EDUCATION

**App Academy -** Immersive software development course with focus on full stack web development and with < 3% acceptance rate (Fall 2020)
**Cuesta College -** (2018 - 2020) **Relevant Coursework:** Intro to CS, Fundamentals of CS I, II, III, Microcomputer Architecture and Programming, Discrete Structures, iOS Development, Android Development.
**University California @ Santa Cruz -** *BS - Philosophy*  (Spring 2009)