ERWIN A. MEDINA

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EDUCATION

General Assembly   *May 2021*
Software Engineering Immersive

University of California, Irvine   *June 2017*
BS Applied and Computational Mathematics

SKILLS

- **Languages:** C, HTML/CSS, Javascript, Python, Spanish, SQL
- **Frameworks:** Bootstrap, Express, jQuery, Mongoose, MongoDB, Node.js
- **Design Tools:** AutoCAD, Helioscope, Illustrator, InDesign, NetSuite, Photoshop
- **Additional Tools:** Acrobat, Agile, Git, Google Suite, Microsoft Office Suite, Trello

PROJECTS

Mancala Board Game - *Github*
- Developed an event driven player vs computer board game. Utilized Javascript to implement win/loss logic.
- *Javascript, HTML, CSS/Bootstrap, jQuery*

Liverpool Cafe - *Github*
- Developed a Mongoose-Express-Node (MEN) stack CRUD application for blogging and communication.
- Implemented RESTful routings and communications, along with user authentication using OAuth.
- *Javascript, Mongoose/MongoDB, Express, Node.js, CSS/Bootstrap, Heroku*

Pet Transfer - *Github*
- Developed a Mongoose-Express-React-Node (MERN) stack CRUD application.
- Utilizied a third party API to populate form fields, and also implemented token-based authentication.
- *Javascript, Mongoose/MongoDB, Express, React, Node.js, CSS/Bootstrap, Heroku*

WORK EXPERIENCE

Revel Energy, LLC.   *Irvine, CA*
Energy Analyst   *July 2018 to February 2021*
- Developed and created preliminary design layouts and models for photovoltaics on commercial and industrial (C&I) buildings in Sketchup, AutoCAD, and Helioscope.
- Analyzed 35,000 data points of a potential client's energy usage and demand in order to create a renewable solution tailored to a customer's usage and building size. Renewable solutions include photovoltaics, LED, energy storage systems (ESS), or combined heat and power technology (CHP).
- Coordinated with steel and ESS vendors to provide a fair preliminary cost of installation for potential customers.
- Composed proposals consisting of cost, design, and other renewable solutions for the C&I and Agriculture team.
- Automated and optimized Excel functions and macros, reducing proposal development time by 50%.
- Researched and maintained information on rate schedules, changes in state and federal incentives for solar and battery solutions, and understand the development of new technologies for the company's future pursuit and use.

Knox Attorney Services   *Irvine, CA*
Data Entry Specialist   *July 2017 to July 2018*
- Coordinated with supervisor in quality control, assessing and correcting data entry information from the team.
- Compiled and assembled subpoenas created from the data entry team, and prepared the documents for delivery.
- Gathered and organized client information into a server based system.
- Supported the data entry team in creating hundreds of subpoenas a week.