

ERWIN MEDINA

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EDUCATION

California State University, Fullerton
MS Computer Science

June 2024

General Assembly
Software Engineering Immersive

May 2021

University of California, Irvine
BS Applied and Computational Mathematics

June 2017

SKILLS

Languages: C++, HTML/CSS, JavaScript, Python, SQL, Visual Basic

Additional Tools: Excel, Outlook, Power BI, React, Trello, Visual Studio

PROJECTS

Pet Transfer — [Github](#) — JavaScript, MongoDB, Express, React, Node.js, Bootstrap, AWS, Heroku

- Developed a full-stack application that helps users find local pets that need adopting.
- Utilized a third party API to populate form fields; implemented JSON token-based authentication.
- Utilized Trello in order to prioritize and organize user stories, while also outlining future improvements.
- Included Google Maps API and browser locations to enable filtering pets by distance.

EXPERIENCE

VCI Construction, LLC

Anaheim, CA

Data Analyst

October 2021 — Present

- Utilized Excel as a database management system in order to control, distribute, and update permit statuses for construction and engineering project managers.
- Proposed and implemented Power BI to create dashboards to monitor the status of permits within different regions across Southern California, providing a quick & easy reference for presentations with upper management.
- Automated the process of creating 20 personalized workbooks for construction and project management team members, resulting in a 100% faster distribution of information along with reports for upper management.
- Maintain existing code to implement new functionality based on team member requirements, debug code to ensure functionality, and track all processes via documentation.
- Automate daily processes for the 3GIS and construction team using VBA scripts and Excel functions, improving accuracy of map updates while reducing the amount of time by 50%.
- Perform quality assurance and quality control of content provided by the construction and PM team members.
- Refactor existing code in order to produce enhance code efficiency and readability.

Revel Energy, LLC

Irvine, CA

Energy Analyst

July 2018 — February 2021

- Paired with business developers to build out preliminary design layouts for internal review, as well as finalizing a finished proposal to deliver to potential clients. Utilizing SketchUp and AutoCAD for preliminary design layouts.
- Automated and optimized functions and VBA scripts, reducing proposal development time by 50%.
- Collaborated with clients and developers to obtain technical requirements for projects and worked with senior management to help develop business objectives to meet the customers' technical requirements.
- Utilized multiple XML and CSV data sources and analyzed metrics to report on customer energy consumption and annual cost in order to tailor a renewable solution.
- Gathered design requirements with internal sales team and vendors, prioritized high-profile requests, and planned execution of solar panel deployment with the engineering team.