ERWIN MEDINA

IRVINE, CA | ERWIN.L.MEDINA@GMAIL.COM | (909) 503-2834
GITHUB | LINKEDIN | PORTFOLIO

EDUCATION

California State University, Fullerton Expected June 2024
Master of Science - Computer Science

General Assembly May 2021
Software Engineering Immersive Bootcamp

University of California, Irvine June 2017
Bachelor of Science - Applied and Computational Mathematics

SKILLS

Languages: HTML | CSS | JavaScript | MySQL | Python | Visual Basic
Frameworks: Bootstrap | Django | Express | Node.js | React
Additional Tools: Excel | Git | Github | Outlook | Photoshop | Power BI | Trello | Visual Studio

PROJECTS

Pet Transfer — Github — AWS | Bootstrap | Express | Heroku | JavaScript | MongoDB | Node.js | React
- 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.
- Enhanced UX by highlighting stories using Trello and enabled Google Maps API to filter pets by distance.

The Golden Boot — Github — Bootstrap | CSS | HTML | JavaScript | React
- Developed a mobile-friendly responsive front-end single paged application for viewing soccer information.
- Created web scraping tool in Python and BeautifulSoup to produce player transfer information in JSON.

GameChanger — Github — Django | Heroku | PostgreSQL | Python
- Implemented RESTful routes and communication application for discussing video games.
- Team project, focused on front-end development; utilized Trello for managing individual and team tasks.
- Led branching strategy discussions to avoid merge conflicts and redundancies.

EXPERIENCE

VCI Construction, LLC Anaheim, CA
Project Data Analyst October 2021 — June 2022
- Automated the process of creating 20+ Excel workbooks, consisting of over 6000 permits and statuses, for the construction and project management team, reducing creation time by over 100%.
- Managed information loaded into the Excel database management system in order to control, distribute, and update permit statuses; creating checks and balances and error handlings to minimize crashes.
- Increased the efficiency of the 3GIS team workflow by automating manual processes, increasing the accuracy of map status updates and reducing the processing time by over 50%.
- Proposed and implemented Power BI to create dashboards to quickly monitor permit statuses across California.

Revel Energy, LLC Irvine, CA
Energy Analyst July 2018 — February 2021
- Automated functions and VBA scripts, reducing preliminary proposal development by over 50%.
- Utilized XML/CSV data sources consisting of over 35,000 data points, analyzing metrics with in-house software, tailoring a renewable solution utilizing customer energy usage and annual cost for commercial property owners.
- Extrapolated and interpolated missing data points using projects with similar metrics in location, size, energy usage, and energy rate plan, allowing for a more refined and accurate analysis.
- Collaborated with business developers on a daily basis to build out preliminary design layouts in Sketchup and AutoCAD, utilizing the customer's requests, yet also complying with California Fire Code.