

# ERWIN MEDINA

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## SUMMARY

I am an applied mathematician aspiring to find a role as a full stack software developer. My background in mathematics provides me with a foundation for problem-solving, precise and accurate code, and a clear vision for efficient functionality. My passion and grit for intuitive design and creative solutions to complex problems is my drive.

## SKILLS

- **Languages:** C, JavaScript, Matlab, Python, Spanish, HTML/CSS
- **Frameworks:** Bootstrap, Express, Django, jQuery, Node.js, React
- **Design Tools:** AutoCAD, Helioscope, Illustrator, InDesign, Photoshop
- **Additional Tools:** MongoDB, PostgreSQL, Git, Github, Google Suite, NPM, Office Suite, Trello, VSCode

## WORK EXPERIENCE

### 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 Excel functions and Visual Basic 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.
- Implemented a monthly newsletter with new and developing technologies in the industry to allow for continuous learning and growth within the company.

### Knox Attorney Services

Irvine, CA

Data Entry Specialist

July 2017 — July 2018

- Reviewed applications and supporting documents, processed applications into an electronic format, and utilized the prescribed database for saving information.
- Coordinated with supervisor to audit applications entered by the team to ensure accuracy and completeness.
- Communicated and responded to requests for information from the clients.

## PROJECTS

### GameChanger — [Github](#) — Python, PostgreSQL, Django, AWS

- Implemented RESTful routings and communications, along with user authentication.
- Team project; created and prioritized user stories, utilized Trello for organization.
- Developed branching strategies to avoid merge conflicts with other developers.

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

- Developed a Mongoose-Express-React-Node (MERN) stack CRUD application for pet adoption.
- Utilized a third party API to populate form fields, and also implemented token-based authentication.

## EDUCATION

### General Assembly

May 2021

Software Engineering Immersive

### University of California, Irvine

June 2017

BS Applied and Computational Mathematics