

# ERWIN MEDINA

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[GITHUB](#) | [LINKEDIN](#) | [PORTFOLIO](#)

## EDUCATION

### California State University, Fullerton

Master of Science - Computer Science

Expected June 2025

### General Assembly

Software Engineering Immersive Bootcamp

May 2021

### University of California, Irvine

Bachelor of Science - Applied and Computational Mathematics

June 2017

## SKILLS

**Languages:** C++ | C# | HTML | CSS | JavaScript | MySQL | Python | Visual Basic

**Frameworks:** Bootstrap | Django | Express | Node.js | React

**Additional Tools:** BeautifulSoup | Excel | Git/Github | Jira | 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.

## EXPERIENCE

### Paramount+

Software Engineering Intern

El Dorado Hills, CA

June 2023 — August 2023

- Engineered high-performance API endpoints in C# for MaxPreps' Photogallery section, replacing legacy systems, enhancing loading speeds, and ensuring flexible data retrieval for React Front End integration.
- Integral participant in daily stand-ups, employing Agile methodologies and Jira for seamless communication, task prioritization, and enhanced project transparency.
- Mastered Git/GitHub version control, ensuring smooth production deployment for 100k+ users, utilizing Visual Studio for optimized, industry-standard coding practices.
- Championed the development of an in-house web scraping tool using Python/BeautifulSoup, enabling the extraction of school names, scores, and leagues from states nationwide, increasing MaxPreps' national coverage.

### VCI Construction, LLC

Project Data Analyst

Anaheim, CA

October 2021 — June 2023

- Automated the process of creating 20+ Excel workbooks in Visual Basic, consisting of over 6000 permits and permit 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%.

### Revel Energy, LLC

Energy Analyst

Irvine, CA

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.