

Carlos Aguilera

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[Linkedin](#) | [Github](#) | [Portfolio](#)

EXPERIENCE

Ethika Inc.

May 2022 – Present

Web Developer

Lake Forest, CA

- Managed a team to successfully implement a comprehensive music content management system, overseeing key functionalities such as talent management, asset tracking, and analytics reporting.
- Optimized image storage for a significant speed boost. Additionally, I played a key role in the migration of our state management system and the seamless integration of Klaviyo, covering email, SMS, and back-in-stock notification systems.

T-Mobile

Sep 2018 – Jan 2020

Sales Manager

San Juan Capistrano, CA

- Knowledge of various telecommunications services such as voice, data, SMS, and MMS.
- Strong troubleshooting skills to diagnose and resolve network, device, or service-related issues.
- Leadership skills to motivate and manage sales associates and support staff team.

EDUCATION

Saddleback College Robotics

Jul 2023 - Present

Programmer

Mission Viejo, CA

- I spearheaded a project to construct a website for our base station. The website aimed to oversee all feedback from the rover, including real-time camera feed monitoring.
- I developed and oversaw an onboarding program for new members, which led to their improved understanding of various domains such as autonomous driving using OpenCV and LIDAR sensors.

Saddleback College

August 2021 – Present

Computer Science

Mission Viejo, CA

- Proficiency in mathematics and strong problem-solving abilities for complex computer science and software development challenges.
- Experience with agile methodologies and project management.

PROJECTS

El Andariego Truck

August 2022 - Present

Vue, Laravel, MongoDB, Tailwindcss

San Juan Capistrano, CA

- Recognizing that translation processes conducted natively by browsers often lose critical information, I implemented an internationalization feature.
- Deep understanding of Virtual Dom, State Management, and Routing

Point of Sale System

August 2022

C++, Linux, Git

San Juan Capistrano, CA

- Manual Memory Allocation: following RAII principles
- Move Semantics: for resource optimization and efficient data transfer
- Dynamic Polymorphism: for flexibility and extensibility

Street Fighter

Feb 2023 – Jun 2023

Java, JavaFX, Multithreading, Networking

Mission Viejo, CA

- Implemented multithreading to handle concurrent gameplay actions, such as player moves and animations.
- Established a client-server architecture for players to connect over a network.
- Implemented data serialization for exchanging game state information between clients and the server.

TOOLS & TECHNOLOGIES

- **Programming Languages:** C++, JavaScript, HTML, PHP, CSS, Java, Python, Rust
- **Technologies:** MongoDB, Git, Linux, AWS, Bootstrap, Node, Vim, Tailwindcss, Vue, ROS2, Symfony, NAV2
- **Other Skills:** Work well in small or large teams, Leadership, Data Management, Communication, Documentation
- **Languages:** English (fluent), Spanish (native)