LinkedIn | GitHub | Portfolio

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EXPERIENCE

Ethika Inc. (E-commerce)

May 2022 - Present

Web Developer

Lake Forest, CA

- Led a team to implement a music content management system with talent management, asset tracking, and analytics.
- Optimized image storage reducing page loads by 30%, migrated our state management system, and integrated Klaviyo for email, SMS, and back-in-stock notifications.
- Created and deployed a promotional video game that reached 15,000 users and over 450,000 games played.
- Integrated Algolia search with product pages, aligning complex tagging with Algolia's payload structure and adding a debouncer for smoother user input.
- DevOps: AWS, Docker, and GitHub. Tools: JavaScript, PHP, MongoDB, JIRA, and Linux

EDUCATION

California State University Long Beach

Aug 2024 - Present

Computer Science

Long Beach, CA

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

Saddleback College Robotics Club

Jul 2023 – Jul 2024

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 improved their understanding of various domains such as autonomous driving using OpenCV and LIDAR sensors.

PROJECTS

El Andariego (Restaurant Website)

Jan 2024 - Present

Vue is, MongoDB, Tailwindcss, AWS

San Juan Capistrano, CA

- Implemented internationalization (i18n) in Vue.js for seamless language switching.
- Integrated Square API for online ordering and built an email subscription system for order confirmations.
- Developed cron jobs to update the MongoDB database with new menu items and reusable utility components (image, table, select, calendar).

Point of Sale System (TUI)

Aug 2022

C++, Linux, Git, CMake

San Juan Capistrano, CA

- Manual Memory Allocation: following RAII principles
- Move Semantics: for resource optimization and efficient data transfer.
- Deep understanding of managing a larger C++ project

Street Fighter

Feb 2023 – Jun 2023

Java, JavaFX, Multithreading, Networking

Mission Viejo, CA

- Implemented multithreading for concurrent gameplay actions, managing game logic separately from rendering, using locks and volatile memory to ensure thread safety and prevent race conditions.
- 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.

Graphics Modeler

Nov 2022 – Dec 2022

C++, Qt, Linux, CMake, QML

Mission Viejo, CA

- Library for basic 2D graphical objects, focusing on C++ fundamentals.
- Inheritance, aggregation, polymorphism, exception handling, templates, operator overloading, and move semantics.

TOOLS & TECHNOLOGIES

- Programming Languages: C++, JavaScript, HTML, PHP, CSS, Java, Python, Rust, Typescript, SQL
- Frameworks & Libraries: Bootstrap, Tailwindcss, Vue Js, ROS2, NAV2, Symfony, React Js
- Technologies: MongoDB, Git, Linux, AWS, Node, Vim, Docker, Railway
- Other Skills: Agile, Leadership, Data Management, Communication, Documentation, Problem Solving, Organization