

# Mauricio Macias

Irvine, CA | (714) 469-0029 | mauricio.macias2535@gmail.com | <https://theerrormaster.github.io/>

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## WORK EXPERIENCE

### Full Stack Developer

February 2022 – Present

#### *777 Partners*

- Collaborated effectively with a company to design and develop innovative technology solutions for an Australian low-cost airline.
- Developed and maintained high-quality, cross-platform mobile applications and websites using Next.js, React.js, and React Native.
- Expertise in creating Custom Reusable React Components Libraries that work with Mobx architecture using complete object-oriented concepts to improve the performance of websites and mobile apps.
- Debugged errors and improved performance for client monitoring applications to make it a robust product ready to be released to the public.
- Integrated Google and Apple Pay APIs to secure payment transactions with WorldPay API.
- Successfully apply features, for instance, adding boarding passes to apple wallet, push notifications, etc.
- Introduced Google Analytics to track visitor interactions throughout companies' applications.
- Decreased page load time by over 70% on heavy-load views by refracting components.

### Full Stack Developer

June 2021 – February 2022

#### *Howe Neat, Inc.*

- Worked with a small team as the object relations modeler of a web application that monitors the real-time status of IOT-based agriculture elementary devices.
- Implemented a JSON REST API server in Flask, which captures JSON objects to analyze and manipulate sensor data utilizing Pandas DataFrame API.
- Set up a Firebase Cloud Messaging API service for a client's mobile device notification infrastructure.
- Created queries/scripts to extract and manipulate data from the database to populate dashboards.
- Proficiently maintained and updated legacy PHP-based backend systems for Coastal Vitality Consulting, ensuring optimal performance and stability.
- Successfully migrated a PHP and JQuery stack with MERN (MongoDB, Express.js, React, and Node.js) stack, improving the efficiency and scalability of the system.

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## PROJECTS

### STI & TECH HACKATHON

June 2023

- Won the Youtube Health Innovation Award in the AI Track
- Create an AI-powered chatbot designed to simulate patient interactions during medical appointments.
- Project was developed using Javascript, Next.js, Openai, Firebase realtime database, and Figma.
- Lead four team members by organizing and assigning roles.

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## SKILLS

- **Languages:** Java, Javascript, Typescript, PHP, Python C++, C#
- **Front-end/Mobile Development:** React.js, React Native, Flutter, Java, SwiftUI, Bootstrap
- **Data Management:** SQLite3, PostgreSQL, MySQL, MongoDB
- **Back End Technologies:** Node.js, Express, Next JS, PHP, Flask, Spring Boot

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## EDUCATION

### California State University, Fullerton (CSUF)

December 2020

*Bachelor of Science in Computer Science*