

DANIEL MIRANDA

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Seeking opportunities in backend development or embedded systems where I can leverage my technical skills and project experience to solve complex problems and contribute to innovative solutions.

EDUCATION

California Polytechnic State University

Bachelors of Science in Computer Science

Sept. 2023 - June 2027

San Luis Obispo, CA

- Relevant coursework: Proj-Based Object- Oriented Programming & Design*, Introduction to Computer Organization*, Data Structures, Fundamentals of Computer Science (* means currently taking)
- Activities & Societies: Society of Hispanic Professional Engineers (SHPE)

EXPERIENCE & PROJECTS

Front-End Web Developer | Milli Transportation Inc.

June 2024

Remote learning management system web application

Python | HTML | CSS | JavaScript

- Facilitated a single web page with a front-end team to design a webpage for the trucking company to direct clients to a more efficient webpage for the companies goals.
- Handled design and functionality requests from the company, adapting the project to meet specific needs.
- Utilized HTML and CSS for front-end development, delivering a visually appealing and effective web page

Back-End Software Engineer, Project | GeoGroove

June 2024 - Aug 2024

A Location-Based Music Recommendation System

Python | HTML | CSS | JavaScript | Leaflet.js

- Developed to solve the challenge of discovering contextually relevant music based on a user's location, GeoGroove leverages GPS data to offer real-time, location-specific music recommendations, enhancing user experience with personalized playlists
- Utilized Python for backend logic, integrated Spotify API for music data, and Google Maps API for location tracking, ensuring seamless functionality across various geographical locations.
- Implemented a learning algorithm to analyze user preferences and location-based data, improving the accuracy and relevance of music recommendations over time, decreasing runtime overall.

Front-End Software Engineer, Project | Abuelita's Kitchenn

2020-2021

Multi-Page Cooking & Recipe Website

Python | HTML | CSS | TypeScript

- Architected a front-end service of a ratings and reviews system to allow users to post recipes, view/ post ratings, search by keyword, and sort by helpfulness, relevance, date, and/or star ratings for a specific dish
- Designed focusing on user-friendly navigation and visual appeal, showcasing a diverse collection of recipes from various cultural backgrounds.
- Inspired from a class assignment, with the first recipe being a homemade guide for Pupusas.

Software Engineer, Project | Nuke Type

Oct 2023 - Nov 2023

Desktop Application Pop-up Game

Python | Flask | Tkinter

- Co-developed NukeType, a game designed to enhance typing speed and accuracy by challenging players to type a set number of words within a time limit, improving WPM skills.
- Built the core functionality using Python, Flask, and Tkinter to create a dynamic and responsive pop-up interface.
- Collaborated closely with a partner to conceptualize and implement the game, ensuring smooth gameplay and precise WPM tracking.

TECHNICAL SKILLS

Front End | Python, Javascript, TypeScript, CSS, JSON, styled-components

Back End | C, C++, MySQL, Flask, JQuery

Developer Tools | Insomnia, Git, Github, Slack, npm