

EMANUEL MIRANDA



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Education

California State University, East Bay

- B.S. Computer Science
- Undergraduate
- GPA 3.4

San Joaquin Delta College

- A.S. Computer Science
- A.S. Mathematics



Skills

Programming Languages

- Java
- JavaScript
- C++
- CSS
- Python
- HTML

Practical Skills

- Spanish Speaker
- Efficient Under Pressure
- Determined Problem Solver
- Effective Multi-tasker
- Complex Critical Thinker
- Excellent Communicator



About Me

Hello! Thank you for considering me as a candidate to join your team! My name is Emanuel Miranda - Mercado, I was born in Stanford, CA and I am Mexican American. I am the only one in a family of seven to attend University. Because of that, I have had to learn and thrive purely off my own skillset and determination to succeed. This mentality has allowed me to prosper within academic settings and I believe will also be crucial for me to thrive in a professional setting. I am excited to integrate my skills into the world and am very eager to start my career!

Thank you for taking the time to read my resume and I hope to hear from you soon!



Coursework

Software Engineering

I learned how the software engineering process would function by working with classmates to create UML diagrams, project schedules, software requirement documents, application demos, j-unit testing, coding, and presenting our program to a client.

Advanced C++ & Java

In these courses, I learned the basics of both languages such as data types, variables, classes, methods, pointers, overloading and library packages and also the complex concepts such as inheritance, polymorphism, encapsulation, exception handling, binary trees, etc.

Analysis of Algorithms

This course helped me understand algorithmic design methodology, searching/sorting algorithms, string matching, heaps, priority queues, doubly linked and circularly linked lists, trees and balancing, and graph algorithms.

Computer Architecture

This course taught me logical design of digital computers, boolean algebra, combinational and sequential circuits, computer arithmetic, integrated circuits, and control processors.

Mobile Programming

This course taught me application development and how to manage system implementation processes. I learned techniques for designing, implementing, coding, and testing apps.

Automata and Computation

This course helped me understand formal models of computation, languages, deterministic/non-deterministic finite automata, regular expressions, pushdown automata, context-free languages, and Turing machines.



Projects

Communication Application

For my final project in software engineering, as a group we created a communication application. The app had a complete user interface with client settings and chat messages along with backend functions such as server classes and client classes capable of running multiple clients at once. I was in charge of Employee/Employee-List classes, Chat-Log/Chat-Log-List classes, and some UI design for the settings.

Expense Tracking App

I designed and programmed a mobile application that can allow a user to input information for transactions and then displays information in a UI. Program dynamically allocates new transactions, saves all its' information, and also categorizes them for later viewing.

Two Player Mobile Game

This is a mobile game that I solely created that allows two users to play against each other on a single device. This game contains all original 2-D animations, player models, backgrounds, and stores games within a scoreboard for users to compete with each other.



Employment

Miranda Catering – Sabor Michoacan

Co-Owner (2016 – present)

This is a family-owned business that my parents created and that I now help manage and run. I am in charge of managing the business, customer satisfaction, social media exposure, and head of major company/party catering events. It is located in Lathrop, CA.



Volunteer Work

Sheriff's Activities League (SAL)

Volunteer

This is a non-profit organization that focuses on building a bond between San Mateo County deputies and the communities they serve. My partner is a program coordinator in charge of providing free programming and community events such as family movie nights in local parks, informative SAL posts for children, educational outdoor hikes, etc. I have volunteered at all of these events.