Oscar Villa

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EDUCATION

CALIFORNIA STATE UNIVERSITY, SAN MARCOS San Marcos, CA Bachelor of Science Expected December 2022
Major in Software Engineering
Cumulative GPA: 3.15
Relevant Coursework: Software Engineering; Data Structures and Algorithms, Design Patterns, Cloud Computing, Software Testing, Project Management, Database Management Systems

TECHNICAL SKILLS

Programming Languages: C++, Python, HTML, CSS, JavaScript, Java
Frameworks: Vue.js, React
Databases: MySQL
Tools: Git/Github, Jira, UNIX, Amazon Web Services, DBeaver, Google Cloud Platform

EXPERIENCE

CSUSM INSTRUCTIONAL AND INFORMATIONAL TECHNOLOGY SERVICES San Marcos, CA Live and Online Technical Assistant August 2021 – Present

- Assist and Teach campus faculty how to operate new technology.
- Perform weekly inspections of classroom technology, ensuring all equipment is clean and works properly.

CSUSM DEPT. OF SOFTWARE ENGINEERING San Marcos, CA Student Assistant Jun 2020 – Present

- Coordinate Mock Interview events for students to practice technical interviews given by professionals in the industry. Companies who have participated include: ServiceNow, Qualcomm, General Atomics, Fluidra, etc.
- Provide guidance to students with creating resumes, learning soft skills, and interacting with companies

PROJECTS (More on Github)

RECOMMENDATION ENGINE Oct 2021 (In Progress)

- Designing and implementing a recommendation engine for Qualcomm based on user debug settings data in a 4 person team.
- Utilizing Python, Java, Amazon Web Services, and Machine learning to perform exploratory data analysis to identify
- trends and relationships between different variables.
- Performing in-depth analysis using content-based or collaborative filtering machine learning techniques to predict settings
- Creating a web-service using Restful-APIs that returns these predictions based on user-id/ user's department-id

POKEMON BOOSTER PACK OPENER 2021

- Utilized Vue.js framework and Pokemon Tcg Api to create a JavaScript Application that simulates opening a pack from the chosen pokemon set.

BANK SIMULATOR 2019

- Utilized linked lists to simulate a bank throughout the day and output the number of customers served and the total wait time (in seconds) in C++.