LUIS SANCHEZ

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Recent graduate with a BS in Computer Science from UC Riverside seeking an entry-level Data Engineering / analyst role. I have experience in designing ETL pipelines, algorithms, databases and data visualization.

Technical Abilities
Programming & Scripting: C; C++; C#; Python; SQL; Java; Javascript; Assembly
Tools/Frameworks: Visual Studios; IntelliJ IDE; Hadoop; Agile; Postgres; MongoDB; Spark;

Education
BS in Computer Science, 3.5 GPA   June 2021
University of California, Riverside

Experience
Social Chair - Executive Board Member
Riverside Surging Dragons   June 2019 - June 2021
- Fostered a welcoming atmosphere for 50+ members
- Coordinated social events with an intentional focus on schedule, interests, diversity, and inclusion, resulting in an increase in attendance by 150%
- United collegiate and community dragon boat teams by facilitating mixer events with 200+ participants
- Strategically led the logistics of all team events from recruitment to practices, to local and interstate dragon boat races, saving 15% from the year-over-year event budget

Data Analyst
University of California, Riverside   May 2019 - June 2020
- Developed C++ data pipeline (ETL) to extract and digest student involvement during zoom lecture
- Ensured student data quality, analyzed data profiles, developed data schemas
- Loaded data from various lecture sessions into a PostgreSQL relational database
- Communicated analytical data findings via PowerPoint to multiple professors across various departments

Academic Projects
SQL / HDFS Video Sharing Platform - https://github.com/mapleCows/Video-Based-Social-Media-Database-and-server
PROJECT: Co-Developed a YouTube-like Java application with a relational database on PostgreSQL, Hadoop Distributed File System, HTML website interface to stream videos
TECH: Java; SQL; Hadoop; WebHDFS; HTML; Apache: Maven; IntelliJ IDEA

MongoDB Chat Room - https://github.com/mapleCows/MongoDB_Chat_Room
PROJECT: Co-Developed a social chatting network where users are able to login, create/join chat rooms backed up in a NoSQL database on MongoDB
TECH: MongoDB, HTML, JavaScript, CSS, Handlebars

Search Engine - https://github.com/mapleCows/Search_Engine
PROJECT: Co-Developed python data pipeline (ETL) to extract information from websites using Beautiful Soap. Transform and validate data into JSON files to load into Elastic Search. Developed HTML interface to match websites to user query
TECH: Python, Beautiful Soap, ElasticSearch, Bash script, HTML, JavaScript, CSS, Handlebars

Eight-Puzzle AI Solver - https://github.com/mapleCows/The-eight-puzzle/blob/main/REPORT.pdf
PROJECT: Developed a blind and heuristic search algorithmic approach using uniform cost search, misplace tile search, and Manhattan search to solve the Eight-Puzzle
TECH: C++; Visual Studios, AI search algorithms