Jaime Lovera

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Work Experience

Jr Data Engineer CliniComp Intl., San Diego CA **Aug 2020 – Present**
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Enterprise Data Analyst ISS | Institutional Shareholder Services, San Diego CA **Jan 2019 – Aug 2020**
- Wrote complex SQL queries to build unique datasets to solve specific business problems for asset management firms.
- Built data pipelines to extract data from multiple sources and formats using the Pandas python library.
- Created reports utilizing Jupyter Notebook and Python libraries, such as Pandas and Matplotlib.
- Automated data feed delivery process, saving the company time and eliminating potential for human error.
- Mentored junior data analyst on SQL/Python techniques and best practices through code reviews.

Data Analyst ISS | Institutional Shareholder Services, San Diego CA **Mar 2018 – Jan 2019**
- Facilitated the ingestion and transformation of multiple large financial retirement plan datasets.
- Refactored quarterly data quality project, fixing inefficiencies in legacy code and using techniques to automate/streamline work that was previously completed with Excel. Reduced time to completion by over 80%.
- Identified data quality issues and implemented unit tests to strengthen data pipelines.

Education, Professional Development

Python Programming - UC San Diego Extension **2021, San Diego CA**
- Core Courses: Python Programming Fundamentals, Intermediate Python
- Electives: Python for Informatics, Data Analytics using Python

B.S. Management Science - University of California, San Diego **2017, San Diego CA**
- Quantitative major in applied economics with a strong focus on statistical analysis and mathematics.
- Additional Coursework: Intro to Computer Science (Java), Software Tools & Techniques (Linux, Git), Data Structures & Object-Oriented Design (Java), Computer Organization & Systems Programming (C, Assembly).

Personal Projects *(live demos available on jaimelovera.com)*

Twitter Clone
- A social media web app. The backend is a RESTful API built using Firebase. This NoSQL database is designed with scalability in mind. The front end is built using React which consumes the API.

Personal Finance Blog
- A Django web app featuring user authentication, search, comments, and a content management system for managing the websites content. Uses Python and SQLite to store and manage the data.

Investment & Debt Visualizer
- A React web app that takes in various parameters from a user and generates a dataset (using JavaScript) based on principles of compounding interest. This dataset is then visualized on an interactive bar chart.

Music Lyric Finder
- A React web app that consumes the Musixmatch public API to allow users to search for music lyrics.

2048 Game Clone
- A JavaScript project I developed that recreates the logic of the popular 2048 game, displayed on an HTML canvas.

Personal Website – jaimelovera.com
- Developed to serve as my online portfolio of projects. I utilized React, Material-UI, JavaScript, HTML and CSS.

Skills

Programming Languages:
Python, MySQL, JavaScript, HTML, CSS.

Frameworks & Libraries:
Flask, Django, React, Airflow, Pandas, Matplotlib.

Tools & Platforms:
Linux, Git, VSCode, VirtualBox, Excel.

Interests

Data, web applications, personal finance, minimalism, hiking, cycling, motorsports.