

Jaime Lovera

 jaimelovera.com

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 github.com/jaimelovera

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Work Experience

Jr Data Engineer

CliniComp Intl., San Diego CA

Aug 2020 - Present

Enterprise Data Analyst

ISS | Institutional Shareholder Services, San Diego CA

Jan 2019 - Aug 2020

- Wrote complex SQL queries to derive insight and provide usable datasets for top asset management firms.
- Created processes to extract and ingest data from files received in various formats using the Pandas python library.
- Conducted exploratory data analysis utilizing Jupyter Notebooks and Python data visualization libraries to find trends and recommend areas of interest to stakeholders.
- Automated data feed delivery verification process, saving the company time and eliminating areas for potential errors.
- Utilized SQL/Python to implement tools/scripts to improve workflow and automate tasks.
- Mentored junior team members on SQL/Python techniques and best practices.

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 strategies 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. Implemented various cloud functions that get triggered on specific events to help manage storage bloat. Built a front end using React to consume this API and showcase a working prototype.

Personal Finance Blog

- A Django web app featuring user authentication, search, comments, and a content management system for managing the websites content. Used Python and an SQLite database 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 plotted on an interactive bar chart to visualize the change.

Music Lyric Finder

- A React web app that consumes the Musixmatch public API and renders the JSON data in a user-friendly format.

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

- My personal website that I developed to share my 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.