

Jaime Lovera

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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
<ul style="list-style-type: none">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.Built reports utilizing Jupyter Notebook and Python libraries, such as Pandas and Matplotlib.Automated data feed delivery verification process, saving the company time and eliminating areas for potential errors.Mentored junior team members on SQL/Python techniques and best practices.		
Data Analyst	ISS Institutional Shareholder Services, San Diego CA	Mar 2018 - Jan 2019
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Core Courses: Python Programming Fundamentals, Intermediate PythonElectives: Python for Informatics, Data Analytics using Python	
B.S. Management Science - University of California, San Diego	2017, San Diego CA
<ul style="list-style-type: none">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.