Flávia da Silva Iespa
https://github.com/FlaIespa

Email : flavia.iespa@uni.minerva.edu
Mobile : +8860968027044

Education

Minerva University — United States
Bachelor of Computer Science and Social Sciences — *September 2021 - May 2025*
Data Structure and Algorithms, Calculus, Linear Algebra, Psychology: From Neurons to Society, Political Science and Social Change, CS50, CS51

Colégio Militar do Rio de Janeiro — Brazil
High School — *January 2013 - July 2019*

Experience

Iluma — Remote - Medellin, CO
Data Software Engineer Intern · Data Engineering — *May 2022 - August 2022*

- **Data Pipelines**: Designed, implemented, and tested data pipelines to process experimental/microbiome data from the lab to a virtual warehouse. Processed data from scratch, creating five pipelines for the company: one with over 150 columns from S3 Bucket into Redshift (from AWS); the other four by creating an API with the database of a partnering company (Asimetrix) and loading them also into Redshift (from AWS).
- **App Development - Client Portal**: Designed an application to expose, manipulate, and analyze microbiome data in Python. Started the development of a client portal, a React App for both farmers and scientists to have a direct form of facilitated communication while exchanging data.
- **Documentation**: Documented pipelines for guidance on the ETL (Extract, Load, Transform) transformation on files, facilitating the visualization of how the data gets manipulated from source to destination in the company's data warehouse, and any subsequent tables and views that are created.
- **Tech Debt**: Fixed code to accommodate the changes made in the database. Examples of 'code fixing' included: correcting the code for changes in the original Excel files and investigating causes of NULL statements in the Redshift resulting tables.
- **Logging Framework**: Implemented a logging framework to accompany the growing database and assure more visibility for errors in case they occurred in the program. The logging framework was implemented in over 30 files within the database.
- **Materialized view in Python**: Developed a materialized view in Python that merged data from four different tables that were commonly associated by the scientists.

Programming Skills

Languages: Python , JavaScript

Technologies: AWS , React , HTML , CSS , Tables and Queries , SQL