

FLORENCIA SAAVEDRA URZÚA

CIVIL ENGINEER IN INFORMATICS

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As a self-taught developer, I have a strong commitment to learning and problem-solving. With experience in web scraping and backend development, I am skilled in a variety of tools and technologies, including Django, Celery, and Linux environments. I am an excellent communicator and team player who is always looking for new challenges and personal growth.

PROFESIONAL EXPERIENCE

GREGARIO, *Python Developer*

August 2022 – April 2023

- Webscraping y Data Control (SQL).

As a Backend Python Developer at Gregario, I was responsible for developing code and performing scrapings using Python. I utilized the Celery library to fetch the required information from various web pages and then sent it to a PostgreSQL database. Additionally, I worked with Docker containers and leveraged the Django API for implementing the business logic. Throughout this role, I gained experience in efficient data extraction and storage in a database, as well as creating scalable and robust solutions within an agile development environment.

EMPRESA FENASA S. A, IT Consulting E-commerce

Jan 2020 - Mar. 2021

- Streamlining collection processes with digitization in Azure and advanced Excel.

As a consultant at Fenasa, I was involved in implementing and contracting various Azure services, focusing on inventory management and Power BI. My responsibilities included migrating the database from an ERP system to Azure, leveraging its technology to enable inventory forecasting based on historical data. By utilizing Azure, we were able to harness the power of advanced analytics and machine learning to optimize inventory planning and achieve more accurate forecasting.

EDUCATION

UNIVERSIDAD ADOLFO IBÁÑEZ | Civil Engineering Informatics

2019-2023

PROJECTS

Python Airport Simulator

We developed a Python-based airport simulator that provides valuable insights into airport operations, focusing on two key metrics: the number of people who miss their flights and the time it takes for passengers to board the aircraft after arriving at the airport. By utilizing various data inputs, such as flight schedules, passenger arrival times, and boarding processes, the simulator generates realistic scenarios that mimic the dynamics of an actual airport. It considers factors like check-in procedures, security screenings, and boarding gate distances to accurately simulate the passenger flow.

Predictive Tool for Surgical Operations based on Patient Data and Seasonality

We developed a predictive tool that leverages patient data and seasonality to provide the probability of whether a surgical operation will be performed or not. By analyzing the historical data of patients and considering seasonal patterns, this tool can assist healthcare professionals in making informed decisions regarding surgical procedures.

The predictive tool utilizes advanced data analysis techniques and machine learning algorithms to process and analyze patient-specific information, such as medical history, vital signs, and diagnostic results. Additionally, it takes into account the seasonality factor, considering how certain medical conditions or procedures may vary based on the time of year.

INFORMACIÓN ADICIONAL

. **Nationality:** Chilean

. **Software:** Python, C, Docker, Git, PostgreSQL, Redis, Django, Linux, GCP, Digital Ocean, Celery, Json, Html, Ajax, Javascript, CSS.

. **Languages:** Advanced English.

