

# Santiago Pérez Gutiérrez

+52 1 5519717767 | [spg1824@gmail.com](mailto:spg1824@gmail.com) | [Portafolio](#)

 [Santiago Pérez](#) |  [sperezg6](#)

Mexico City, Mexico

## SUMMARY

Innovative Data Engineer with a robust background in building scalable data infrastructure, ETL processes, and backend development. Experienced in designing and implementing data pipelines using cloud technologies such as AWS Lambda, with a proven track record of improving data accessibility and processing efficiency. Proficient in Python, SQL, and various big data technologies, adept at creating robust data architectures that support advanced analytics and machine learning initiatives. Skilled in automating data workflows and optimizing database performance to drive data-driven decision-making. Currently pursuing a degree in Mechatronics Engineering, combining deep technical expertise with a strategic mindset to deliver high-impact data solutions in fast-paced environments. Demonstrated ability to collaborate with cross-functional teams to translate complex data requirements into efficient, scalable systems.

## EXPERIENCE

- mattilda**  
*Data and Analyst Engineer*

*Oct 2024 - current*  
Mexico City, Mexico

  - Architected and implemented end-to-end data pipelines integrating 10+ data sources including Stripe (payment data), Zendesk (customer support), HubSpot (marketing), and production databases, resulting in a unified data warehouse serving 100+ daily user implemented on Databricks.
  - Developed automated data quality checks and monitoring systems, reducing data incidents and ensuring data accuracy across all sources.
  - Designed and implemented an executive dashboard suite using Amazon Quicksight, providing real-time visibility into key business metrics including customers TPV, customer support metrics and funnels for lead follow up.
- mattilda**  
*Tech Analyst*

*May 2023 - Sept 2024*  
Mexico City, Mexico

  - Developed backend endpoints using AWS Lambda and FastAPI for platform automation.
  - Developed backend endpoints using FastAPI to be used on the platform, where users interact to download data and also to build some of the functionalities of the platform.
  - Implemented automated down-payment and invoicing processes, enhancing operational efficiency by reducing manual data entry time from 4 hours to 1 hours daily
  - Designed and deployed a business intelligence system using Databricks, Power BI, and Tableau, improving data-driven decision-making capabilities by enabling real-time analysis of 4+ key performance indicators of the core business.
  - Developed a data ingestion process to automate the transfer of data from 5 different sources into a single database, resulting in a 50% reduction in manual data entry using Databricks.
  - Designed and implemented interactive dashboards embedded into the platform, improving data visibility for customers using Metabase.
- Resuelve tu Deuda | Go Bravo**  
*Strategy Analyst*

*Oct 2022 - May 2023*  
CDMX, Mexico

  - Developed and implemented a targeted lead generation strategy, resulting in a 35% increase in qualified leads over a 3-month period
  - Created dynamic reports using LookerStudio and Metabase, providing real-time insights to senior management and improving decision-making speed.
  - Developed a data-driven employee segmentation strategy, resulting in a 25% increase in sales over six months by optimizing team structures and individual performance metrics.
- ITAM**  
*Marketing Intern*

*Nov 2021 - Oct 2022*  
CDMX, Mexico

  - Developed effective brand messaging strategies that increased student engagement on social media platforms.
  - Automated email contacting system using Python, reducing manual processing time and enabling personalized communication with over 10,000 prospective students.
  - Analyzed competitors' marketing strategies and presented findings to senior management.
  - Assisted in organizing 3 major campus events, including open houses and career fairs.

EDUCATION

- **ITAM**  
*Mechatronics Engineering*
  - **Churchill College**  
*IB degree*

August 2019 - May 2024

CDMX, Mexico

June 2019

CDMX, Mexico

PROJECTS

- **Musical Modeling and Generation: An Approach Using Neural Networks and MIDI Inputs**  
*Tools: [Python, LSTM Networks, Pytorch, Keras ]*
    - Engineered an advanced LSTM neural network for MIDI note generation, replicating compositional styles of classical musicians like Bach, Beethoven, among other
    - Implemented the neural network using Keras and TensorFlow, optimizing the model architecture to process and learn from over 200 classical music compositions in MIDI format
    - Developed data preprocessing pipelines to convert raw MIDI files into suitable input format, increasing training efficiency.
  - **Photograph Portafolio**  
*Tools: [List of tools and technologies used]*
    - Created a responsive photography portfolio website, showcasing 50+ high-quality images across 5 distinct categories
    - Implemented the website using HTML5, CSS3, and JavaScript, incorporating parallax scrolling and image lazy loading to enhance user experience.
    - Utilized CSS Grid and Flexbox for responsive design, ensuring optimal display across devices and improving mobile expirience.
    - Deployed the website on Hostinger.

Jan 2024 - current

[G]

Jan 2024

[G]

SKILLS

- **Programming Languages:** Python (3+ years), SQL (4+ years), JavaScript, FastAPI, React.js, Next.js
- **Database Systems:** PostgreSQL, Spark , MSSQL, MongoDB
- **Data Science & Machine Learning:** scikit-learn, Keras, PyTorch, Transformers, TensorFlow
- **Cloud & DevOps:** AWS (Lambda, S3, AWS Glue), GCP, Databricks, Docker
- **ETL & Analytics:** Airbyte, Databricks, Power BI, Tableau, Quicksight and Qlick
- **Web Technologies:** HTML5, CSS3, REST APIs, GraphQL

CERTIFICATIONS

- **Databrikcs Lakehouse Fundamentals**
  - **Machine Learning Fundamentals with Python - DataCamp**

May 2024

In Progress

ADDITIONAL INFORMATION

Languages: English (C1), Spanish (Native)