Daniel Alvarez Perez

Data Engineer - Bolivia

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EXPERIENCE

GELT — Madrid , Spain
Lead Data Engineer — *Mar 2020 - Sep 2021*

- **About Gelt**: Gelt it's a multinational company with a presence in Spain, Brazil, Argentina, Mexico, and Colombia. Their mission is to create rewarding relationships between people and brands, and they do this by offering a new way to recover money through everyday purchases and transactions. Is the evolution of the promotions system, and all of their apps start on mobile devices and end with cash in hand

- **MySQL and PostgreSQL** : I have a Strong background on Relational DB - Data Architecture- I can build Interactive Dashboards with complex queries

- **Machine Learning**: Statistics, Text Mining, Machine Learning Predictions, Convolutional Neural Network Models for Image Processing

- **Business Intelligence**: Creation of Interactive Dashboards

- **R-Language**: Data Science Dashboards Apps using Shiny

Bookscribs — Remote - Boston, MA
Data Engineer — *Oct 2021 - Aug 2022*

- **About Bookscribs**: An Artificial Intelligence that writes series scripts with a high probability of being published on Netflix and other platforms.They train the model with successful film adaptations of books

- **Web Scraping**: Text Web Scrapping using Python-Beautifulsoup4

- **Data Annotation**: Matching scripts with books and preparing data for Natural Language Processing Models

- **Business Intelligence**: Interactive Dashboards using MongoDB Charts

- **ETL**: Implementation of MLFlow, a Data Orchestration to sync ETLs Task

- **AWS**: Backups, store in S3, Pipeline

- **Bracken Cabs** — Dublin, Ireland
  Data Specialist - Freelance — *Sep 2022 - May 2025*

  - **About Breaking Cabs**: Taxi App based in Balbriggan,operating throughout Dublin for over 35 years.
  - **BackEnd**: I optimized the App's backend so it can be managed by any team member.
  - **Deep Learning**: We integrated the Chargpt4 API into Recurrent Neural Network models to enhance sales areas, predict necessary taxis per areas, estimate traffic, and active users
  - **Dashboards**: Implementation of Dashboards using Dash, Streammed Data, and ChatGPT API has revolutionized our data analysis capabilities, enabling real-time insights, predictive analytics, and interactive communication with users. This cutting-edge technology has empowered us to make data-driven decisions swiftly and efficiently, driving innovation and growth in our organization.

- **Professor and Researcher** — Bolivia
  Jan 2014 - 2023

  - **Assistant to a researcher**: Algebra and Microeconomics 2013 - 2015
  - **Auxiliar of a Researcher**: Research Assistance 2015 - 2017
  - **Python teacher**: Data Visualization at the Univ. Nelson Mandela in 2020-2023

EDUCATION

- **Complutense University of Madrid** — Madrid, Spain
  Master's of Science in Big Data and Data Science — *Sep 2019 – Dec. 2020*

- **Major University of San Simon** — Bolivia
  Postgraduate in Applied Econometrics — *Jan. 2019 – Aug. 2019*

- **Major University of San Simon** — Bolivia
  Degree in Economics and Statistics — *Jan. 2014 – Dec. 2018*

PROGRAMMING SKILLS

- **Languages:**Python, R, MySQL, MongoDB