Daniel Alvarez Perez

Data Engineer - Bolivia

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EXPERIENCE

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

- **Gelt**: Multinational cashback App company operating in Spain, Brazil, Argentina, Mexico, and Colombia.
- **MySQL and PostgreSQL**: Designed relational data architecture and optimized complex queries.
- **Machine Learning**: Developed ML models for text and image classification (CNNs).
- **Business Intelligence**: Built interactive BI dashboards to support product and marketing teams.
- **R-Language**: Created Shiny dashboards for internal analytics.

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

- **Bookscribs**: AI startup that writes screenplays based on book adaptations.
- **Web Scraping**: Scraped large volumes of literary data using Python + BeautifulSoup.
- **Data Annotation**: Led annotation and preprocessing for NLP model training.
- **Business Intelligence**: Built MongoDB Charts dashboards for content team.
- **ETL**: Orchestrated ETL pipelines with Airflow.
- **AWS**: Managed backups and storage in AWS S3.

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

- **Bracken Cabs**: Taxi App based in Balbriggan-North of Dublin, operating throughout Dublin for over 35 years.
- **BackEnd**: Refactored backend codebase for team maintainability.
- **Deep Learning**: Integrated ChatGPT-4 with RNNs for demand forecasting and traffic prediction.
- **Dashboards**: Developed real-time dashboards with Dash and streaming data.

Professor and Researcher Bolivia
  Jan 2014 - 2023

- **Assistant to a teacher**: Assistant in Algebra Microeconomics (2013–2017).
- **Research Assistant**: Support in economic and statistical research projects (2015–2017).
- **Publication**: *Growth with Unlimited Supply of Labor: An Approach to the Informal Labor Market in Bolivia.* Published in *Ciencia al Día*, Issue No. 10 (Peer-reviewed scientific journal), Bolivia.
- **Python Professor**: Taught Data Visualization with Python at Univ. Nelson Mandela (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