

# Daniel Alvarez Perez

Data Engineer - Bolivia

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## EXPERIENCE

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### GELT

*Lead Data Engineer*

Madrid , Spain

*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

*Data Engineer*

Remote - Boston, MA

*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

*Data Specialist - Freelance*

Dublin, Ireland

*Sep 2022 - Jul 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

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- **Complutense University of Madrid**  
*Master's of Science in Big Data and Data Science*

Madrid, Spain

*Sep 2019 – Dec. 2020*

- **Major University of San Simon**  
*Postgraduate in Applied Econometrics*

Bolivia

*Jan. 2019 – Aug. 2019*

- **Major University of San Simon**  
*Degree in Economics and Statistics*

Bolivia

*Jan. 2014 – Dec. 2018*

## PROGRAMMING SKILLS

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- **Languages:** Python, R, Scala, SQL, MongoDB