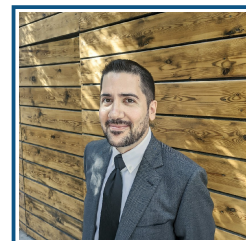


+0034 687797963  
carji.es  
carlos@carji.es  
/in/bayesiano  
Carji

# Arias Jiménez, Carlos

Madrid (Spain)



## Key skills

- Attention to detail
- Problem solving
- Time management
- Self-motivation
- Decision making
- Languages: Spanish (native), English (Upper intermediate, B2)

## Programming

- Highly advanced: **SQL, Fortran, Python** (NumPy, Pandas, PyTorch, Keras, Scikit-Learn, OpenCV, etc)
- Advanced: **Qlik Sense**, R, PL/SQL, Java
- Clouds: **GCP**, Oracle, AWS (WIP)
- In Progress: Power BI, AWS

## Certificates

- Qlik Sense Business Analyst Certification, in progress.
- Architecting with Google Compute Engine
- Advanced Machine Learning on GCP
- Data Engineering, Big Data, and Machine Learning on GCP
- Google Data Analytics

## Interests

- Business intelligence
- Data Visualization
- Real Time Analytics

## Work Experience

Sep. 2021 – **Data Consultant**  
Currently

at **SDG Group**, Madrid

- Collaborated with **retail banking** business units in the whole process of establishing an **analytics maturity model**
- Collected **business requirements**, helped the business and tech units in the definition of **KPI's and dimensions**
- Provided **functional analysis**, created **detailed technical documentation**, and **designed data models** to satisfy business needs
- Developed, deployed and orchestrated **ETL pipelines** that serve as data sources to visualization and reporting tools
- Extracted insights, designed storyboards and **developed dashboards** to help business users with their daily needs
- Tech stack used: SQL, Qlik Sense, Oracle Cloud Suite (ODI, OBIEE), TWS

Jul. 2021 – **Software Engineer**  
Sep. 2021

at **Capgemini**, Murcia

- Developed the data (repository) layer of a traffic fines application's backend
- Tech stack used: Java

Feb. 2019 – **Software Engineer**  
Jun. 2021

at **Facultad de Química, Universidad de Murcia**, Murcia

- Managed and optimized data pipelines in Google Cloud via Dremel engine (BigQuery execution trees)
- Merged several raw data sources in batch and real time processes into said pipelines
- Used bayesian analysis and machine learning **reinforced learning models** in the analysis of stored data and classification of outputs.
- Tech stack used: Python, Java, Bigquery (GCP), Arduino

## Education

2021 – 2022 Master's degree **in Data Science and Engineering** at **Universidad de Castilla la Mancha**, Toledo

**Specialization:** Real time Machine Learning Models embedded in Dashboards. (GPA 4.0)

2016 – 2021 Bachelor's degree **in Physics** at **Universidad de Murcia**, Murcia

**Specialization:** Advanced simulations. (GPA 3.3)

## Personal projects

2022 **Game Recommender**

Made in **Python & Streamlit**. Uses **scraped** game data to recommend similar videogames in real time (via **K-nearest algorithm**), sorting the results by score. Available in the following [link](#).

2020-ongoing **Self-maintained Covid Dashboard**

Made in **Python & Streamlit**. **Self-maintained dashboard** that plots the global spread of Covid-19, also letting the user to check the **epidemic situation** per country and their **historic data**. Available on my portfolio in the following [link](#).

2019 – 2020 **Mask detector**

**Deep Learning** model using **Haar** cascade classifiers and **VGG-19** to integrate a model which discerns if people in static images or a video feed are complying with the **safety distance** and wearing a mask, in **real time**. Available on my [portfolio](#).