

# MARIO BURBANO

## Cloud Data Engineer et Analyst

Date de naissance 14 November 1984 Nationalité Irdaise/Colombienne Antony, FRANCE  
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PhD in Computational Chemistry with extensive experience in cloud computing, task automation and data analysis. I am passionate about developements in the field of data-driven decision-making. My training as a physical scientist bestows upon me the capability of understanding complex ideas, while being able to express them to a general audience.

### EXPERIENCE

#### TOCOMPLETE

##### TOCOMPLETE

2021 – Ongoing Paris, France

- TOCOMPLETE

#### Research Engineer

##### CEA

2016 – 2018 Saclay, France

- TOCOMPLETE

#### Ph.D. in Computational Chemistry

##### Trinity College Dublin

2009 – 2014 Dublin, Ireland

Computer modelling of metal oxides

- Carried out molecular simulations of materials energy production and storage
- Used Fortran/MPI to write simulations and data analysis programs

12 peer-reviewed articles, h-index 11, 577 citations

### SKILLS

High Performance Computing ●●●●●

Cloud Computing ●●●●●

Molecular Modelling ●●●●●

Mathematics / Statistics ●●●●●

Data Visualization ●●●●●

#### Computer science

Python  
SQL  
Linux/Unix/Bash  
Machine Learning  
git  
Docker  
Fortran

AWS GCP Dataiku DSS SAS  
Talend pandas Plotly/Dash  
scikit-learn Flask Visual Studio Code  
Embedded Systems Statistical Analysis

#### Cloud Services

BigQuery Airflow PubSub  
AWS EC2 AWS Lambda

### LANGUAGES

English ●●●●●

Spanish ●●●●●

French ●●●●●

### EDUCATION

Ph.D. in Computational Chemistry  
2009 – 2014 Trinity College Dublin  
B.A. in Computational Chemistry  
2004 – 2009 Trinity College Dublin