

MARIO BURBANO

Cloud Data Engineer and Scientist

14 November 1984 – In cohabitation

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in linkedin.com/in/burbanom/ Nationality Irish/Colombian



PhD in Computational Chemistry with extensive experience in cloud computing, task automation and data analysis.

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