

MARIO BURBANO

Cloud Data Engineer and Scientist

14 November 1984 – In cohabitation

@ burbanom@tcd.ie + 33 6 43 27 79 22 Antony, FRANCE github.com/burbanom
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 for 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