

# 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