

MARIO BURBANO

Cloud Data Engineer and Analyst

Date of birth 14 November 1984

Nationality Irish/Colombian

Antony, FRANCE

Marital status In cohabitation

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PhD in Computational Chemistry with extensive experience in cloud computing, task automation and data analysis. I am passionate about developments 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

Data Engineer

L'Oréal for Devoteam/Ysance

2021 – Ongoing

Clichy, France

- TOCOMPLETE

Data Engineer

Malakoff Humanis for Lincoln

2020 – 2020

Malakoff, France

- TOCOMPLETE

Data Engineer/Scientist

Orange for Lincoln

2019 – 2020

Arcueil, France

- TOCOMPLETE

Data Engineer/Scientist

Essilor for Altran

2018 – 2019

Créteil, France

- TOCOMPLETE

Research Engineer

CEA

2016 – 2018

Saclay, France

- TOCOMPLETE

Postdoctoral researcher

UPMC

2014 – 2016

Paris, France

- Developed models to study correlated motion in battery components. Established procedures to generate/analyse large quantities of data used to explain materials' properties.

Ph.D. in Computational Chemistry

Trinity College Dublin

2009 – 2013

Dublin, Ireland

Computer modelling of metal oxides

SKILLS

High Performance Computing



Cloud Computing



Molecular Modelling



Mathematics / Statistics



Data Visualization



Computer science

Python

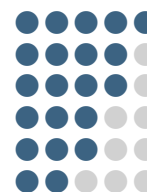
SQL

Linux/Unix/Bash

Machine Learning

git

Docker



AWS

GCP

Dataiku DSS

SAS

Talend

pandas

Plotly/Dash

scikit-learn

Flask

Visual Studio Code

Embedded Systems

Statistical Analysis

Fortran

LaTeX

Parallel computing

Cloud Services

BigQuery

Airflow

PubSub

AWS EC2

AWS Lambda

LANGUAGES

- Spanish – Native language
- English – Native level
- French – Advanced level

EDUCATION

Ph.D. in Computational Chemistry

2009 – 2014

Trinity College Dublin

B.A. in Computational Chemistry

2004 – 2009

Trinity College Dublin

- Carried out molecular simulations of materials for energy production and storage
- Used theoretical predictions to dispell misconceptions regarding the roles of impurities and morphology as possible enhancers of desired qualities in materials used to generate energy.
- Used Fortran/MPI to write simulations and data analysis programs

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