

PIERRE MERCATORIS

Data & Environmental Scientist

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EXPERIENCE

Geospatial Data Scientist

Minsait

2019 – Present

Madrid, Spain

- Route optimisation of waste collection using demographics and IoT

Data Scientist in Quantitative Finance

ETS Asset Management Factory

2017 – 2019

Madrid, Spain

- Develop and monitor a Robo-Advisor in production

Remote Sensing Scientist

University of Stirling

2014 – 2016

Stirling, UK

- Validation of remote sensing algorithms in complex water types

Statistics and GIS Teaching Assistant

University of Stirling

2014 – 2016

Stirling, UK

- Practical sessions of "Statistics using R" and "Geographic Information Systems" to undergraduates

Software Developer

Scottish Environment Protection Agency

Summer 2013 internship

Stirling, UK

- Developed a Java mapping interface of a mobile γ ray spectrometer for the detection of radioactive sources in the environment

Dendroecology Research Assistant

British Ecological Society

Summer 2012 internship

Stirling, UK

- Preparation and analysis of a dendrochronological dataset

EDUCATION

MSc in Big Data Analytics

Universidad Carlos III de Madrid

2016 – 2017

Madrid, ES

BSc with Honours in Environmental Science

University of Stirling

2010 – 2014

Stirling, UK

Computer Science & Engineering

University of Luxembourg

2007 – 2009

Luxembourg, LU

LANGUAGES

French



English



Spanish



TOOLSET

working: Python R SQL

MongoDB Git Latex Linux/Unix

Docker PostGIS QGIS

basic: Spark Scala Hadoop Sparql

Java PHP

RELEVANT COURSES

Google Cloud Platform Big Data and Machine Learning Fundamentals

Coursera

Aug 2020

Modernizing Data Lakes and Data Warehouses with GCP

Coursera

Aug 2020

Software Carpentry Workshop

Edinburgh & Leeds University

Feb 2016 & Aug 2015

Data analysis workflow and best practices using: Git, Bash, R, Python, SQL, etc

11th Advanced Statistics and Data Mining Summer School

Universidad Politécnica de Madrid

Jul 2016

Remote Sensing of Complex Water

Plymouth Marine Laboratory

Feb – Apr 2015

Data collection and analysis for satellite algorithm validation