FREDERIC REINIER

Big Data Developper - Data Engineer

🖥 EXPERIENCES

Aout 2020
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today

Data Engineer
Sonergia　　　　　　　　　　　　　　📍 **Marseilles, France**

Member of the digital factory lab to develop and create cloud infrastructure for Business Intelligence and Machine learning projects on AWS.

Applications:

· Integration and developpement of data ingestion via SQL/NOSQL databases and API from external partners.
· ETL/Dashboarding (Apache Airflow) and Monitoring on financial activities to communicate data to Stakeholders. Recurrent reporting on Apache Superset.
· Integration of data reliability strategy on organization for operational efficiency and business decision-making.

Novembre 2019
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June 2020

Big Data Developper
Synchrone - Mission FDJ　　　　　　📍 **Vitrolles, France**

Member of the datalake team, I was in charge to develop and industrialize batch and real-time data processing for FDJ business unit.

Techno: Apache Nifi (ETL), Apache Kafka, Apache Spark (scala/Python), Elasticsearch for application log indexing.

2018
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Aout 2019

Genomic Scientist
HalioDX　　　　　　　　　　　　　　📍 **Marseilles, France**

· Investigated on single-cell RNA seq technology: Design and wrote analysis pipelines of single-cell RNAseq and RNAseq data.
· Data management: Developp tools to extract and parse Immunohistochemistry, Next Generation Sequencing (NGS) for Standard Data Tabulation Model format.
· Communication and Presentation of NGS studies results with partners.

2016
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2018

BioInformaticien, Data scientist
Inserm, UMR_S-1065, C3M　　　　　📍 **Nice, France**

· Single-Cell RNA Sequencing data analysis on Uveal Melanoma. Worked on Intra-tumoral cells heterogeneity to define new markers specific to Progression/Invasion and Metastatic signatures. A better understanding of this heterogeneity lead to better diagnostics and treatments.
· Co-Tutored on Master Student (Jan 2017) on "T-ALL Genomic Signatures and Clinical data analysis".

2013
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2016

Genomic Data Analyst
University of Washington, Dept. of Genome Sciences　📍 **Seattle, USA**

Member of the Analysis Group at the UW Center for Mendelian Genomics: Analysis of Exome and Whole-Genome sequence data for Mendelian disorder. Several studies done on progeroid syndrome with first-author paper and contributions:

· Mandibular hypoplasia, deafness, progeroid features and lipodystrophy (MDPL) syndrome in the context of inherited lipodystrophies.Metabolism. 2015 Nov;64.Seattle,USA

2006
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2012

Data Engineer / Analyst
CRS4　　　　　　　　　　　　　　　📍 **Pula, Italy**

My research interests included High-throughput sequencing data handling. I focused on Sequencing reads alignment, assembly, variant calling. I was active as key developer in research projects on Sardinian Genome Resequencing in collaboration with the Institute of Neurogenetics and Neuropharmacology of the National Research Council (INN-CNR).

🎓 EDUCATION

2005

Master in Bioinformatics, BBSG
Faculté des sciences de Luminy　　　📍 **Marseille, France**

Data Engineer / Big Data Developper

CONTACT

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For more details, please contact me via email.

PRINCIPAL SKILLS

Developpement and industrialize batch and real-time data processing on structured or unstructured data.

Programming: Python, R, Scala

Devops: Github, Docker, Terraform

LANGUAGES

English: Fluent

Italian: Fluent