Christian Peralta Viteri   Curriculum Vitae

Date of Birth	09.04.1997
Address	Route de Jussy 87, 1226. Thônex, Geneva, Switzerland
E-mail	christian_94_97@hotmail.com
Phone	+41 77 974 19 00
LinkedIn	www.linkedin.com/in/christian-peralta-viteri-71a81b16b
Fiverr	https://www.fiverr.com/christian_94_97?up_rollout=true
GitHub	https://github.com/Christ14n97

Profile

I am an aspiring computational biologist/data scientist who can promptly adapt to different environments, having the ability to work in multi-disciplinary teams. Hard-work, passion and dedication is what drives my career. Being a goal-oriented and resilient researcher, I am currently seeking a new project which allows me to branch out into new fields where I can be at the interface between IT and life sciences. My aim is making use and refining my computational skills to become an even stronger asset to any company and/or research group.

Professional and Research Experience

2021 – 2022	Msc Thesis with Biomedical and Metabolomics Analysis unit, led by Prof. Serge Rudaz, supervised by Dr Julien Boccard; 1800 hours.
	"Expanding the Metabolome Coverage by means of Genome-scale Metabolic Networks: application to digoxin toxicity in astrocyte cells".
	Chemometrics analysis of **untargeted** metabolomic data where I am **developing** my own **Python** library to wrap-up unsupervised and supervised **machine learning** algorithms (PCA, PLS...). Furthermore, **network analysis** of Recon2; aiming at **annotating** potential biomarkers based on **MetaboRank** suggestions.
2021	MSc Internship with Biomedical and Metabolomics Analysis unit, led by Prof. Serge Rudaz, supervised by Dr Julien Boccard; 320 hours.
	"Improvement of Data Processing and Annotation Strategies in High Resolution Mass Spectrometry Metabolomics".
	Analytical chemistry immersion where I had my first contact with **raw MS data processing** ensuring untargeted integrity of the workflow. **Algorithm development** in **R** to suggest analytes potentially assigned with an incorrect charge state. Moreover, I applied unsupervised **machine learning** algorithms commonly used in chemometrics for **data preprocessing quality** assessment.
2011 – 2020	Football Referee at Federación de Castilla y León, Valladolid (España).

Honors & Awards

2022	Travel award to attend Analytics Congress 2022, Nantes. Awarded by RFMF Society

Skills

Machine Learning
Python: *sklearn, numpy, pandas, scipy, matplotlib, plotly, tensorflow, keras*
R: *tidyverse, ggplot2, FactoMineR, factoextra, survival, caret*
BASH
Bioinformatics: *gene prediction, sequence sim. search, protein function prediction, protein-protein interaction*
Git & GitHub

Education

2019 – present	MSc in Biochemistry, University of Geneva, Geneva, Switzerland
2015 – 2019	BSc in Biology, University of Salamanca, Salamanca, Spain

Languages

	Reading	Listening	Writing	Speaking	Use of Language
English	B2	B2	B2	B2	C1
Spanish	Native	Native	Native	Native	Native

Licenses and Certificates

Driving License type B
First Cambridge Certificate in English, Credential ID: B3021318