

BIRTH: May, 21<sup>st</sup>, 1992 (Italian citizen)  
ADDRESS: 2, Place de l'Hôtel de ville  
74100 Annemasse (France)

*Python & R developer*  
*Analytical mindset*  
*Team player*  
*Problem solving attitude*

## WORK EXPERIENCE

from MAI 2022 Freelance app developer, Italy (remote)  
to DEC 2022 *Cross-platform app development for clients in logistics and restoration using the Flutter framework, creation of a Flask back-end server to manage the interaction with the client MSSQL database via a REST Api.*

from OCT 2018 RESEARCHER at *Università degli Studi di Padova*, Padua (IT)  
to MAY 2022 *Research on applications of differential geometry (and specifically the geometry of the space of Positive Definite matrices) to statistics, with a focus to optimization problems and variational analysis, and to pre-processing algorithms for medical imaging data.*

from OCT 2017 DATA SCIENCE CONSULTANT at BIP, Milan (IT)  
to OCT 2018 *I completed multiple projects for a client in the marketing department of an online retail company concerning customer engagement and customer journey. Active collaboration in projects for Telco and Finance clients with the deployment of a system to parse IT tickets automatically.*

## EDUCATION

MAY 2022 PHD in Statistics, *Università degli Studi di Padova* (IT)  
*Differential Geometry of symmetric and positive definite matrices for statistical applications*  
— Supervisor: Prof. Antonio CANALE

SEP 2017 MSc in PHYSICS, *Università degli Studi di Padova* (IT) 110/110  
*Detection of causality in complex systems*  
— Supervisor: Prof. Samir SUWEIS

DEC 2014 BSc in PHYSICS, *Università degli Studi di Padova* (IT)

## OTHER EDUCATIONAL EXPERIENCES

SEP 2019 Probabilistic Machine Learning (Bocconi University, Milan)  
Instructor: Prof. David Dunson

OCT 2019 School on Efficient Scientific Computing (INFN and CERN, Bertinoro)  
Efficiency and performance in modern computing (modern C++, GPUs, clusters)

JUN 2020 Statistical consulting (University of Padova, Padoua)  
Instructor: Prof. Bruno Scarpa

JUN 2021 DeepLearning.AI TensorFlow Developer (DeepLearning.ai)  
on Coursera, certificate ID: **BY2NPJRQ4ZDG**

AUG 2021 Deep Learning (DeepLearning.ai)  
on Coursera, certificate ID: **E4P5LCPJJNY9**

## PUBLICATIONS

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2021	Schiavon, J., Bernardi, M. and Canale, A. Riemannian optimization on the space of covariance matrices. <i>Book of Short Papers SIS 2021</i> [ISBN 9788891927361]
IN REVIEW	Schiavon, J., Bernardi, M., Canale, A. and Finos, L. Riemannian registration of symmetric positive definite matrix data.

## LANGUAGES

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ITALIAN	Mother tongue
ENGLISH	Professional knowledge
FRENCH	Intermediate knowledge

## COMPUTER SKILLS

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PROGRAMMING LANGUAGE	Python, R, SQL, C/C++, Flutter/Dart
MACHINE LEARNING	Scikit-learn, TensorFlow, PyTorch, Jax
OPERATING SYSTEMS	GNU/Linux, Microsoft windows 8-10-11, MacOS
CODE MANAGEMENT	Git, GitHub, GitLab
OFFICE SOFTWARE	Microsoft Office 365 suite, OpenOffice suite
CLOUD BASED SERVICES	Google Cloud Platform

## OTHER EXPERIENCES

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I have volunteered for a university library and study room for most of my university years. Alongside daily management and surveillance duties I organized events for the students, such as *peer-to-peer* lectures on research topics, debates on diversity and inclusiveness, informative seminars on the inner working of the European Union.

I volunteered multiple times as a vote counter for the Italian elections.

I did two periods of international volunteering in France (2 months total) during high-school, performing manual labor in a multicultural environment.

I helped run a free, voluntary school for teaching Italian to newly arrived migrants.