



David da Rocha Rodrigues

Data Science student at EPFL

Autonomous, well-organized Data enthusiast with an interest in technical problems.

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Education

MSc in Data Science / EPFL Lausanne, Switzerland

Since September 2018

Some projects:

- Starting from satellite images, used a Convolutional Neural Network to separate road pixels from background in order to construct digital maps.
- Used different Machine Learning approaches to distinguish Higgs decay from background noise using experimental data from the Large Hadron Collider at CERN.

Bachelor in Communication Systems / EPFL Lausanne, Switzerland

From September 2014 to July 2018

Work experience

Semester Project / Salathé Lab Campus Biotech, Geneva

Since September 2019

Sentiment Analysis of social media data on the topic of vaccination in Brazil. Keywords:

- Natural Language Processing
- Machine Learning
- Text Classification

Data Management Plan / HUG / HEDS Geneva, Switzerland

Since February 2019

Creation of the DMP for the study « Revie ⊕ » *Impact of a resource-based life review intervention on advanced cancer patients in an oncological outpatient center: a waitlist randomized controlled trial*, partnership HUG and HEDS.

Skills

Machine Learning and Natural Language Processing

Good textbook knowledge from many EPFL courses. Gaining practical experience every day thanks to my current semester project at *Salathé Lab*.

Programming

Mostly *Python* for daily Data Science tasks; experience in Object-Oriented programming in *Java*, and Functional programming in *Scala*.

About me

- Swiss Residence Permit C.
- No military obligations.
- 24 years old.
- Portuguese; born and raised in Geneva.

Languages

French

Mother tongue.

English

B2 to C1 level.

Portuguese

Mother tongue.

German

B1 to B2 level.

Assets

Communication

Good listener; clarity of speech.

Teamwork

Lots of intercultural experience.

Curiosity

Avid learner.

in @david-da-rocha-rodrigues/

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