

# MATHEUS MARCONDES

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github.com/mathdoug

## EDUCATION

Engineering cycle and MSc Data Science  Since Jan 2018

**École Polytechnique**

 Palaiseau, France

Key subjects studied: *Machine learning, Databases Management Systems, Big Data, Data Visualization, Data Analysis, Text Mining and NLP.*

Engineering fundamentals  Jan 2016 – Dec 2017

**Instituto Tecnológico de Aeronáutica**


 São José dos Campos, Brazil

Key subjects studied: *Mathematics, Computer Science, Physics, Chemistry.*

## PROFESSIONAL EXPERIENCE

Data scientist internship  May 2020 - Aug 2020


**Cdiscount**

 Paris, France

Propose optimizations in credit payment evaluation to maximize the number of payment in four installments while keeping the default rate at an acceptable level.

Data scientist internship  Jun 2019 – Aug 2019

**Quitouque**

 Paris, France

Responsible for creating a predictive model, from gathering data to modeling and evaluation of the model, that predicts the number of orders in the future.

Aspirant - Military  Jan 2016 – Nov 2016

**Brazilian Air Force**

 São José dos Campos, Brazil

Had experiences and military trainings that developed teamwork discipline and leadership.

## ACADEMIC PROJECTS

Credit Default Prediction  Apr 2020 – Apr 2020


Creation of a predictive model that analyzes whether a credit is fraudulent.

Taxi Trajectory Prediction  Feb 2020 – Mar 2020

Creation of a predictive model of the final destination of taxi trips based on trip informations and their initial trajectories.

Link prediction for the French Web  Nov 2019 – Dec 2019

Creation of a model that predicts links between pages in a subgraph of a French webgraph.

MST for clustering  Mar 2019 – May 2019

Calculation of clusterings of a database with MST (Minimum Spanning Tree) algorithms.

Ardan Project  Oct 2018 – Apr 2019

Study of the feasibility of sending projectiles to the ISS using an electromagnetic cannon. Responsible for calculating the trajectory of the projectile.

Likelihood and Bayesian estimation  Apr 2018 – Jun 2018

Estimation of the parameters of a statistical model using two techniques: bayesian estimation and maximum likelihood.

## OTHERS SUCCESS



**Robocup Soccer Simulation 2D**

Title of RUNNER-UP in (LARC/CBR)



**OBMU and OBMEP**

Brazilian Mathematics Olympiad for university students and for public schools. One honorable mention and three silver medals.

## SKILLS

Python

C++

Machine Learning

Statistics

Probability

## LANGUAGES

Portuguese



English




French



## PERSONAL PROJECTS

Futsal World Cup


**École Polytechnique**

 Oct 2019 – Nov 2019

Responsible for the Futsal World Cup for Polytechnique's students.

CASDVest

**Educational institution**

 Feb 2017 – Dec 2017

Taught Mathematics and led the Geometrics Department to help low-income students reach University. More than 500 students.

## DIVERSITY

Musical knowledge



**Electric Guitar**

Since 2009



**Piano**

Since 2006

Sport



**Football Soccer**

6h per week