



Aleix López

Data Scientist | Particle Physicist

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Hard-working physicist with competitive qualifications who has decided to change his path from academic research in particle physics to data science. Proficient knowledge in statistics and Python (6 years of experience). Self-taught data scientist with experience in Kaggle competitions. Willing to join a fast-moving and challenging environment.

EDUCATION

BSc in Physics

Universitat de Barcelona

09/2013 – 07/2017

Description

- Major in Fundamental Physics.
- Upper Second Class Honours.

MSc in High Energy Physics, Astrophysics and Cosmology

Universidad Autónoma de Barcelona

09/2017 – 09/2018

Description

- High Energy Physics itinerary.
- First Class Honours (8.7/10).
- Statistics and Data Analysis projects.

Data Science Self-Education Open-Source

09/2018 – Present

Description

- High-quality education from MOOCs, OpenCourseWare, ebooks, Stack Overflow, GitHub and Kaggle.
- Practice with data science projects.
- + 2000 hours.

EXPERIENCE

Kaggle competitions

Kaggle

09/2018 – Present

Active participant in Kaggle competitions in order to practice with end-to-end projects and keep up with the state-of-the-art algorithms and methods.

SOFT SKILLS

Resiliency | Versatile | Time management | Requires minimal supervision | Self-Motivation | Competitive | Verbal and written communication | Critical thinking | Reasoning | Problem solving | Identify and predict trends and patterns | Report writing | Scientific programming | Research

TECHNICAL SKILLS

Python

SQL (MySQL, SQL Server, PostgreSQL...)

Data Science libraries (Numpy, Pandas, SciPy, SymPy...)

Data Visualization (Matplotlib, Pandas, Seaborn...)

Distributed Computing Frameworks (Hadoop, Spark...)

Machine Learning (scikit-learn, Spark MLlib...)

Deep Learning (TensorFlow, Keras...)

Cloudera

Cloud Computing Services (AWS)

Containers

Business Intelligence tools (Tableau)

Docker

NoSQL (MongoDB)

Excel

Fortran

Gnuplot

Version Control (Git)

Mathematica

Markdown

Bash

LaTeX

Visual Studio

VirtualBox

PyCharm

PROJECTS AND PUBLICATIONS

My Portfolio: <https://aleixlopezpascual.github.io/>

- Some of the projects: Hypothesis Testing and Unfolding; Parameter Estimation and Bayesian Statistics; Probability and Monte Carlo Techniques; End-to-end project with Logistic Regression

LANGUAGES

Spanish



Catalan



English

