

Cristian PEREZ BROKATE

Senior data scientist / Web developer / DevOps



🌐 <https://cristianpb.github.io>

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📍 Paris, France

Experience



French Interior Ministry

📅 Dec 2019 - present

Full stack Data Scientist

- Responsible for internal computing infrastructure including a GPU server and servers with more than 512 Go RAM
- Preparing robust data pipelines for cleaning and improve data
- Developing optimized machine learning models in a CI/CD chain
- Developing custom web applications with modern JavaScript frameworks

Entrepreneur d'Intérêt Général

📅 Feb 2019 - Nov 2019

- Promoted innovation and openness culture at French administration with specialized skills from the private sector
- Implemented image recognition algorithms using deep learning for the French National agency for automated offence processing (ANTAI)



Data Scientist

Kernix

📅 Jan 2017 - Jan 2019

- Managed and delivered data science projects from scoping to planning, execution and present it in front of stakeholders
- Developed a scoring model for finance and insurance French companies
- Implemented a deep learning object detection algorithm for a British startup
- Created a recommendation system for a French bank website
- Coached, taughted, mentored, hunted and hired highly skilled PhD level scientific personnel
- Knowledge transfer to junior data teams (statistical/machine learning models, coding, good practices)



PhD Graduate

Atomic Energy and Alternative Energies Commission (CEA)

📅 Nov 2013 - Oct 2016

Corrosion modelling using stochastic methods

- 6 scientific publications at international peer reviewed journals
- 4 presentations at the scientific international congress
- Parallel programming using CUDA language in NVIDIA GPU
- Data analysis and visualization using python, gnuplot and R

Hobbys

- IoT and programming heterogeneous hardware like FPGAs
- Write technical content in my blog <http://cristianpb.github.io/blog>

Education

2016



PhD in Physical chemistry
Sorbonne Université

2013



Master in Materials,
Processing and Modelling
**École Nationale
Supérieure des Mines
de Paris**

2012



Engineer + Master in
Materials and Production
**École Nationale
d'Ingénieurs de Metz**

2010



Engineer in Mechanical
engineering
**Universidad Industrial de
Santander, Colombia**

2007

Technical Stack

Data science:

Python
OpenCV
Pytorch
Pandas

Data eng:

MongoDB
Neo4j
Elasticsearch
SQL

Web dev:

TypeScript
NodeJS
Leaflet
ChartJS
Angular
Svelte

DevOps:

Docker
Heroku
GitHub
AWS
OpenStack

Languages

English
French
Spanish