Cristian **PEREZ BROKATE**

Senior data scientist / Web developper / DevOps

🌐 https://cristianpb.github.io   ✉ cristian_brokate at hotmail.com   📍 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
📅 Jan 2017 - Jan 2019
Kernix

- 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
📅 Nov 2013 - Oct 2016
Atomic Energy and Alternative Energies Commission (CEA)

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 https://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