Cristian **PEREZ BROKATE**

Senior data scientist
Web developper
DevOps

🌐 https://cristianpb.github.io
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📍 Paris, France

Experience

French Interior Ministry
📅 Dec. 2019 - present

Full stack Data Scientist
I'm inside a structure that promotes digital transformation of the French Interior Ministry.

Entrepreneur d'Intérêt Général
French interior ministry
📅 Feb 2019 - Nov 2019
Implement image recognition algorithms using deep learning for the French National agency for automated offence processing (ANTAI).

Data Scientist
Kernix
📅 Jan 2017 - Jan 2019

- Develop a scoring model for finance and insurance French companies
- Implement a deep learning object detection algorithm for a British startup
- Develop a movement prediction model for a robot using a LSTM model
- Create a recommendation system for a French bank website

PhD in Physical chemistry
📅 Nov 2013 - Oct 2016
Atomic Energy and Alternative Energies Commission (CEA)

Corrosion modelling using stochastic methods
- 6 scientific publications at international peer reviewed journals
- Parallel programming using CUDA language in NVIDIA GPU
- Data analysis and visualization using python, gnuplot and R

Part time

Content volonteer expert
City AI Paris
📅 2018 - 2020

Volunteer representation of the Paris community regarding the international community of City AI
- Write content about AI and the Paris ecosystem
- Develop an application to search and filter from over 30k sources to obtain highlights in AI

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: 🇬🇧 🇫🇷 🇪🇸