Cristian Pachón García

Data Scientist

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Cristian Pachón
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Education

2019 - 2020 **Postgraduate in Artificial Intelligence with Deep Learning**, *Universitat Politècnica de Catalunya*, Barcelona.

2013 - 2019 **Master in Statistics and Operations Research**, *Universitat Politècnica de Catalunya - Universitat de Barcelona*, Barcelona.
Master Thesis: Multidimensional Scaling for Big Data.

2011 - 2012 **Postgraduate in Quantitative Techniques for Financial Products**, *Universitat Politècnica de Catalunya*, Barcelona.

2005 - 2010 **M.Sc. in Mathematics**, *Universitat Politècnica de Catalunya*, Barcelona.

Experience

2019 - 2020 **Data Scientist**, *Softonic*, Barcelona.
Softonic.com is a software and app discovery portal with a catalog of more than 160,000 products.
My responsibility was to improve the main KPI's (Click to Install, Revenue, etc.) using Machine Learning algorithms.
The main tasks performed are:
- Creation and maintenance of an ad system based on Machine Learning. The goal of the system was to decide which ad to show taking into account the revenue and the probability of clicking the ad. The tool was created using TensorFlow and Google Cloud Platform (AI Platform).
- Creation of an MVP to generate new reviews using Deep Learning algorithms. In order to help Softonic with new content, we developed a Machine Learning model that creates new reviews based on the existing ones. The main part of the the project used ELMo as an embedding.

2013 - 2018 **Data Scientist**, *Pagantis*, Barcelona.
Pagantis is a Fintech that offers online finance products in real time.
My main responsibility was to improve the Credit Risk Engine to reduce credit and fraud risk and increase customer acceptance.
The main tasks performed were:
- Development of Machine Learning models for credit scoring and fraud detection
- Portfolio optimization to improve the trade-off between acceptance and risk
- Reporting to main stakeholders and investors

2011 - 2013 **Risk Analyst**, *Banc Sabadell*, Sant Cugat del Vallès.
Banc Sabadell is a Spanish bank that offers financial products for consumers and business.
My responsibility was to develop risk models in order to manage the portfolio.
The main tasks performed were:
- Development of Machine Learning models for credit scoring and credit cards
- Reporting risk portfolio

2010 - 2011 **Consultant**, *Management Solutions*, Madrid.
Management Solutions is an international business consulting firm specialized in the financial industry.
My main responsibility was to develop estimation models for credit risk parameters (PD, LGD, EAD) used in the calculation of the Regulatory Capital under Basel II for banking institutions. The main tasks performed were:
- Development of statistical models to estimate risk parameters
- Data Quality Validation
- Reporting risk portfolio

IT Technologies

Data Analysis
- R
- SAS
- Matlab
- SPSS

Machine Learning
- Scikit Learn
- TensorFlow
- Keras
- PyTorch

BI
- Tableau

Programming
- Python
- Flask
- SQL
- MongoDB
- LaTeX

Dev Tools
- Git
- Docker

Cloud Platforms
- Google Cloud Platform

Courses

January 2019 **Machine Learning with TensorFlow on Google Cloud Platform Specialization**, *Coursera*, Online.

Presentations

January 2019 **Multidimensional Scaling for Big Data**, *Cristian Pachón García*, Barcelona Data Science and Machine Learning Meetup, Barcelona.

April 2018 **What you have never been told about GLM**, *Cristian Pachón García*, Barcelona Data Science and Machine Learning Meetup, Barcelona.

October 2016 **Logistic Regression Meets Fintech**, *Cristian Pachón García, Jelena Mirkovic*, Barcelona R user's group, Barcelona.

Languages

- **Catalan**: Native
- **Spanish**: Native
- **English**: Business fluent
- **Italian**: Intermediate