Cristian Pachón García

Data Scientist

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Education

2019 - Present **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 - Present **Data Scientist**, *Softonic*, Barcelona.
Softonic.com is a software and app discovery portal with a catalog of more than 160,000 products.
My responsibility is 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 the system is to decide what ad to show taking into account the revenue and the probability of clicking the add. 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 uses 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 Skills

Programming SQL, MongoDB, Python, TEX, Git.
Data Analysis R, Matlab, SPSS, SAS.
BI Tableau.
Cloud Platforms Google Cloud Platform.

Courses

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

Presentations

Jan. 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.

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

Languages

Catalan Native.
Spanish Native.
English Business fluent.
English Intermediate.