

Carlos López Roa

Senior Data Scientist | ML Engineer

contact

☎ 06 05 68 15 56

✉ me@mr3m.me

🏠 www.mr3m.me

📺 mr3m

📺 mr3m

📺 carloslopezroa

languages

Spanish / Native

French / C1

English / TOEFL

German / A2

Italian / A1

programming

Python, ❤️Scala,

R, Java,

Bash, SQL, JavaScript,

Matlab, Mathematica

data science

Convex optimization

Factorial Analysis

Classification

Clustering

Text Mining & NLP

Regression

Decision Trees

Neural Networks

Support Vector

Machines

Probabilistic Graphical

Models

Recommendation

Systems

mathematics

Complex & real analysis

Linear algebra

Graph Theory

Vector calculus

Ordinary & Partial

Differential Equations

Statistics & Probability

Functional analysis

Finite element analysis

Wavelet Analysis

Dynamical Systems

Resumé

Senior Data Scientist with more than 3 years of experience. Experience with Big Data in the Spark Framework using Scala, ingesting real time traffic from Apache Kafka and reading and writing to a Apache Cassandra Database. Further modeling done in Python's scikit learn and Tensorflow for Deep Neural Networks.

experience

- 05/19-Today **Keyrus** Senior Data Scientist
Keywords: Consultant Data Science
Projects: Agence de Biomedecine, Economie d'Energie, Minister de l'interieur, Direction Générale des Finances Publiques
- 10/17-04/19 **Vente-privee.com** Data Scientist
Keywords: Recommender systems, Apache Spark, Cassandra, Kafka, NLP
Projects: Homepage and email personalisation
Real-time personalization using recommendation system algorithms in distributed architecture. 6 months time to market of recommender system from scratch until production. 2% lift in turnover. 6 Millions emails personalized every day, 3% lift on click rate
- 03/17-09/17 **Société nationale des chemins de fer français (SNCF)** Data Scientist
Keywords: GIS, Data Mining, Machine Learning, Deep Learning
Projects: Spatiotemporal data mining: Train delay prediction
Spatiotemporal Datawarehouse (GIS) design and implementation. Non linear regression, statistical learning and Deep Learning
- 02/15-08/15 **Dattlas - Kio Networks** Data Scientist
Keywords: Big Data, SAP HANA, Business Intelligence
Projects: Televisa-Izzi
SQL Scripting for OLAP analysis and custom made KPI calculation. Implementation and support of a Data Warehouse in SAP HANA with several ETLs. Reporting of custom made KPIs in mobile devices. CHURN prediction using Hidden Markov Model
- 06/14-02/15 **Prosciana** Founder, CTO
Keywords: Big Data, Cloud Computing, Internet of Things, Web Services
Projects: K13 | Alarmex | TopCar | Ultralam | Moringa | Lehvi | deconb | Britcan
Full stack development of web services for several stake-holders. Data ingestion of distributed IoT sensors. Support of application and life cycle management.
- 01/14-06/14 **Vintalent Solutions** Data Scientist
Keywords: Web Services, Data Mining
Structuring data from unstructured data sources. Data collection and de-duplication using web service implementation.

education

- 09/16-02/17 **M.Sc.** Data Mining and Knowledge Management Università Piemonte Orientale, AL, IT
Speciality: Relational Data Mining
- 09/15-08/16 **M.Sc.** Data Mining and Knowledge Management Université Lumière Lyon 2, Lyon, FR
Speciality: Data Mining and Complex System Modelling
cum laude
- 10/09-04/14 **B.Sc.** Technology Center of applied Physics and advanced Technology, UNAM, Qro, MX
Bubble dynamics subject to novel shockwave: High speed video
summa cum laude, top 3 best GPA 2011, 2012