Javier Guzmán

ML Engineer · Data Scientist

- 🌐 jgoodman8.github.io
- 📞 +34 606684753
- ✉ jguzmanfd@gmail.com
- in linkedin.com/in/jguzmanfd
- ○ github.com/jgoodman8
- 🐦 @jgoodman_8

ABOUT

AI enthusiast, currently focused in applying Machine Learning and Deep Learning at scale, by using Big Data. During my first experiences in technology, I acquired Full Stack skills and learned about architecture design and agile methodologies.

SKILLS

Python & R

Machine Learning

Deep Learning

Apache Spark

SQL & NoSQL

Big data tools

Architecture design

C/C++

Java & NodeJS

Agile methodologies

DevOps

💼 EXPERIENCE

Machine Learning Engineer — 2016 – Present
Gradiant, Vigo

As part of the e-learning team, I help to solve the emerging challenges through making tasks as:

- Data visualization and exploratory analysis using code notebooks.
- Development of *proofs of concept* applying *state-of-the-art* methods.
- Support to design architectures to deploy the chosen solutions.
- Development of machine learning and deep learning models using both classical tools, big data and streaming platforms.

Some of the **ML/DL techniques** I have applied to projects are:

- Pattern mining and frequent itemsets mining.
- Hidden Markov Models and LSTM Networks.
- Recommender systems using ALS, autoencoders and embeddings.
- Anomaly detection using clustering techniques (kMeans, DBSCAN).

I work with **technologies** such as:

- Languages: Python, R, Scala, TypeScript.
- Platforms: Spark, Kafka, RabbitMQ, Metabase.
- Data libraries: Pandas, Numpy, Matplotlib, ggplot2.
- ML/DL Libraries: Scikit-Learn, SparkML, Keras, TensorFlow, Caret.
- Databases: MySQL, PostgreSQL MongoDB.
- Other: Jupyter, Zeppelin, Docker, Jenkins, Logstash, Node.js, React.

Co-founder, Architect & FullStack Developer — 2015 - 2017
Gradox, Santiago de Compostela

FullStack Developer Intern — 2016
2Mares Demil, Vigo

💬 SIDE PROJECTS

Feature selection in big image datasets

Research of feature selection methods over **Spark** using the Imagenet dataset. Features are extracted both using **transfer learning** (Keras) and classical **artificial vision** methods (LBP, BoW with SURF, KAZE...).

🎓 EDUCATION

Master's Degree in Artificial Intelligence Research — 2017 – 2019
Specialty in Data Science and Machine Learning
UIMP – AEPIA

Bachelor's Degree in Computer Science — 2012 – 2016
University of Santiago de Compostela

Master's Degree in Music Performance — 2009 – 2011
Koninklijk Conservatorium Brussel

Bachelor's Degree in Music Performace — 2005 – 2009
CMus Superior of Vigo