Marco Herrero

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INTRODUCTION

I'm a sotfware engineer focused on data science, data engineering, machine learning, and artificial intelligence.

In the past I've made self-trained and autonomous trading bots, financial simulators, deep learning models using convolutional neural networks for image classification and NLP. Currently I'm developing recommendation systems for offline entertainment discovery at Fever. Last year I was awarded with a bronze medal in a Kaggle competition.

I love learning different programming languages and functional programming (python, SQL, clojure, elm, haskell, etc). If you work with a cool language I want to know about it.

EXPERIENCE

FEVER | Data scientist - Data engineer

June 2015 – Curr. | Madrid

- Principal data scientist
  - Recommender systems: collaborative filtering, clustering
  - Machine learning models applied to user behaviour
- Lead data engineer:
  - SQL / NoSQL engines: Postgresql, Elasticsearch, Mongodb, Redis, AWS
  - Data architecture: ETL, dashboards, Logstash, Mixpanel JQL, anomaly detection
  - Big data: pySpark, Kinesis firehose

FEVER | Software engineer / Backend developer

Oct 2016 – Feb 2017. | Madrid

- Backend developer using Python/ Django REST framework.
- PostgreSQL / Redis / Celery / RabbitMQ.
- AWS Stack (RDS, EC2, S3, Elasticache)

BRAIN FINANCES | Machine learning engineer

Sept 2014 – Jun 2015 | Sevilla

- Design self-trained and autonomous trading bots (python, machine learning)
- Natural language processing (NLP) with nltk

Brain is a startup to provide financial analysis of markets using machine learning, natural language processing, bio-inspired computing and artificial intelligence.

PROJECTS

FISHERIES MONITORING USING DEEP CONVOLUTIONAL NETWORKS | Kaggle competition

2017 - Github project

The competition consists in detecting and classifying different kinds of big fishes in fishing boat images, to analyze their behavior. Proposed solutions explore the use of deep learning architectures, using pre-trained CNNs in other projects, combined with ad-hoc architectures. The final submission was awarded with a bronze medal, scoring between the top 10 % submissions.

EDUCATION

UNIVERSIDAD DE SEVILLA | M. S. in Artificial Intelligence, Logic and Computer Science

2015 | Sevilla

UNIVERSIDAD DE SEVILLA | B. Eng. in Computer Science

2008 - 2014 | Sevilla