

# JAIME FERRANDO HUERTAS

## Machine Learning engineer

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## WORK EXPERIENCE

### Machine learning engineer

#### H&M

Feb 2020 – Now    Stockholm, Sweden

- Develop recommendations systems for both batch and online inference.
- Lead multiple PoC recommendation models, many end up merging with the current solution.
- Setup live testing for our models and KPIs to monitor.

PySpark

Python

Azure

Pytorch

### Data scientist/ Machine learning engineer

#### Sandvik

Oct 2018 – Feb 2020    Stockholm, Sweden

- Develop abnormal behaviour detection models for multivariate industrial systems.
- Deploy and maintain online inference models.

Google Cloud

Python

KubeFlow

### Data Scientist

#### Polystar Group

Oct 2017 – Jul 2018    Stockholm, Sweden

- Internship during exchange program in Stockholm.
- Bachelor thesis for abnormal behaviour detection in telecommunications networks.

C++

Python

Scala

## EDUCATION

### Master's degree in Artificial Intelligence, Pattern Recognition and Digital Imaging

#### UPV, Politecnia University of Valencia

Sept 2019 – Ongoing    Valencia, Spain

### Exchange program master courses

#### KTH, Kungliga Tekniska Högskolan

Sept 2017 – June 2018    Stockholm, Sweden

### Bachelor in Computer Science

#### UPV, Politecnia University of Valencia

Sept 2014 – June 2018    Valencia, Spain

Machine learning specialization.

High performance group.

## LANGUAGES

English    Bilingual

Catalan    Native

Spanish    Native

## PROJECTS

### 🔗 LAS-Pytorch

Implementation of Listen, Attend and spell model for E2E ASR.

### 🔗 Time series with Python

A use-case focused tutorial for time series forecasting with Python.

### 🔗 Jupyter-lab-docker-rpi

A Docker image to run jupyterlab on your raspberry pi.

### 🔗 DeepSpeech-pytorch

Pytorch code for DeepSpeech 2.0.

### 🔗 Netflix-RNN-Recommender

Implicit recommender for Netflix dataset.

### 🔗 GMM-Classifer

Python implementation for a Gaussian mixture model classifier.

### 🔗 PLS Regression Tensorflow

PLS regression in TensorFlow 2.0.

### 🔗 Daily Qweerte

Bot that sends you new shirts from qweerte.com. Deployed in GCP since 2015 with 180 users.

## TOOLS

### Machine learning libraries

- Advance use of Pytorch, Pytorch lightning, Sklearn, FB Prophet. Profiling and serving with ONNX standard.
- Medium knowledge of Tensorflow 1.X, basic 2.X.

### Cloud Providers

- Advanced Google Cloud. Server setup (BigQuery, Cloud hosting, Restful API, Redis, Cloud composer, SQL ..).
- Medium knowledge of Azure ecosystem: functions, devops.
- Basic AWS.

### Software (Frontend)

- Basic HTML and Javascript knowledge, my page jiwidi.me represents the best I can do.

### Software (Backend)

- Kubernetes, Docker, Apache webserver
- Databases: Django, PostgreSQL, MySQL.

## ACHIEVEMENTS

**Ranking Second in UniversityHack 2018 DATATHON:**  
Biggest Spanish data science competition.

### Open source contributions

Sklearn, Facebook Prophet, Pytorch Audio, Jupyter Lab.

### Coach at Openhack - Coding for humanity

Coached two hackathon events for Openhack, a non-profit organization.

## OTHER INTERESTS

Photography

Open source

Nature

Cycling

Custom keyboards