JAIME FERRANDO HUERTAS

Machine Learning engineer

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WORK EXPERIENCE

Machine learning engineer

H&M PySpark | Python | Azure | Pytorch

Feb 2020 – Now | Stockholm, Sweden

- Lead neural based recommendation systems at H&M and wrote a **thesis** that started the use of these models at H&M.
- Lead multiple PoC recommendation models, many end up merging with the current solution.
- Setup live testing for our models and KPIs to monitor.

Data scientist/ Machine learning engineer

Sandvik Google Cloud | Python | KubeFlow

Oct 2018 – Feb 2020 | Stockholm, Sweden

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

Data Scientist

Polystar Group C++ | Python | Scala

Oct 2017 – Jul 2018 | Stockholm, Sweden

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

Software engineer

Ahora Freeware C# | .NET

Jun 2017 – Jul 2017 | Valencia, Spain

- Internship, writting C# APIs to creade a multi-cloud(dropbox, office 365, google drive) storage system.

EDUCATION

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

UPV, Politecnic University of Valencia 9.2/10

Sept 2020 – Jun 2021 | Valencia, Spain

Exchange program master courses

KTH, Kungliga Tekniska Högskolan

Sept 2017 – June 2018 | Stockholm, Sweden

Bachelor in Computer Science

UPV, Politecnic University of Valencia

Sept 2014 – June 2018 | Valencia, Spain

Machine learning specialization.
High performance group.

LANGUAGES

English: Bilingual | Spanish: Native | Catalan: Native

PROJECTS

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

Neural recommender systems at H&M
Master Thesis (Cum-laude graded) for Neural based recommender at H&M. Proposed models replaced production models and are currently in production.

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.

Netflix-RNN-Recommender
Implicit recommender for Netflix dataset.

GMM-Classifier
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 99.99% uptime.

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 imjai.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, Pytorch lightning and Jupyter Lab.

Coach at Openhack - Coding for humanity
Coached two hackathon events for Openhack, a non-porfit organization.

OTHER INTERESTS

Photography | Open source | Cycling | Keyboards