

Jaime Ferrando Huertas

✉ fhjaime96@gmail.com | 🏠 www.imjai.me | 📄 github.com/jjwidi

Personal Profile

Senior Machine Learning Engineer with a focus on information systems, I have a strong background in developing and implementing large-scale search and recommendation systems. My expertise lies in statistical analysis, machine learning algorithms, and artificial intelligence. I am proficient in various programming languages and frameworks such as Python, TensorFlow, and PyTorch. I have a proven track record of successfully deploying and scaling machine learning solutions in real-world applications and serving millions of users.

Work Experience

Shaped.ai

Remote - New York, USA

Founder and AI Engineer

April 2022 - Present

- Developing and implementing machine learning models and infrastructure to enable customers to build highly effective, real-time recommendation systems.

H&M

Stockholm, Sweden

Senior Machine Learning Engineer

Feb 2020 - April 2022

- Pioneered H&M's inaugural Kaggle competition, involving over 2900 international teams and a prize fund of \$50,000.
- As Lead, engineered H&M's maiden neural-based recommendation systems, significantly boosting customer engagement, revenue, and online interaction.
- Spearheaded the design and implementation of robust infrastructure on GCP for real-time recommendation model serving during user sessions.
- Steered A/B tests, experimentation and established feedback mechanisms for internal dashboards.

Sandvik

Stockholm, Sweden

Data Scientist

Oct 2018 - Feb 2020

- Created, deployed, and sustained models for detecting abnormal behaviors in multivariate industrial systems.

Polystar group

Stockholm, Sweden

Data Scientist Intern

Oct 2017 - July 2018

- Authored a Bachelor thesis focusing on the detection of abnormal behaviors within telecommunications networks.

Ahora freeware

Valencia, Spain

Software Engineer Intern

Jun 2016 - Oct 2017

- During my bachelor's studies internship, I designed a cloud-based library that seamlessly integrates with existing CRM for effortless file storage across cloud storage providers: Dropbox, Office365, and Google Drive.

Education

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

Valencia, Spain

UPV, Politecn University of Valencia

- Cum laude master thesis.
- **Courses:** Data Science, Programming for Data Science, Knowledge Representation and Reasoning, Statistical Theory and Methods, Learning Skills through Case Studies, Artificial Intelligence, Machine Learning, Statistical Learning

Bachelor in Computer Science

Valencia, Spain

UPV, Politecn University of Valencia

- Class representative.
- Part of the High performance class where only 30 students out of 450 would follow bachelors with english coursework.

Personal projects

🔗 LAS-Pytorch

Open source 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-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 on a daily basis.

Skills

Programming Python, Java, C, C++, C Javascript

ML Tools

Pandas, PyTorch, NumPy, Scikit-learn, LightGBM, XGBoost, FAISS, Annoy, TensorFlow, Keras, Matplotlib, Seaborn, Statsmodels, NLTK, SpaCy, Gensim, Elasticsearch

Cloud providers

AWS, Sagemaker, S3, Lambda, Google Cloud (GCP), Firebase Bigquery, Azure, Jenkins, CircleCI

Data Databases/Platforms

PostgreSQL, MySQL, MongoDB, Cassandra, Hadoop, Spark, Hive, Databricks, Elasticsearch

Miscellaneous

Linux, Shell (Bash/Zsh), Docker, \LaTeX (Overleaf/R Markdown), Microsoft Office, Git, Vim

Achievements

2018 **2nd**, UniversityHack 2018 - National Cross university competition for data science modeling

Spain

Publications

Explaining Preferences with Shapley Values

Robert Hu, Siu Lun Chau, Jaime Ferrando Huertas, Dino Sejdinovic

NeurIPS (2022). 2022

References available upon request.