

# Fran Valero

AI ENGINEER

Barcelona, Spain

☎ (+34) 678 812 474 | ✉ franbvalero@gmail.com | 🏠 franbvalero.github.io | 📧 franbvalero | 🌐 franbvalero | 🐦 @franbvalero | 📧 Fran Valero

## Work Experience

### Supersonik

AI ENGINEER

Barcelona, Spain

Feb. 2026 - Present

- Transforming SaaS sales with AI agents that run interactive and live product demos 24/7

### Amazon

APPLIED SCIENTIST

Barcelona, Spain

Apr. 2022 - Feb. 2026

- Applied ML/NLP to several community feedback (reviews and Q&A) projects to inform customer purchase decisions:
  - AI-generated customer review highlights ( see Amazon blog posts [1](#) and [2](#))
  - Ranking text reviews
- Lead ML/LLM multimodal modelling to increase the automation rate resulting in an annual cost reduction of MM\$ in human annotations

### Amazon

DATA SCIENTIST

Barcelona, Spain

Jun. 2021 - Mar. 2022

- Worked on building a search-quality dataset for the KDD 2022 Amazon Product Search competition [1]

### Deezer

R&D INTERN

Paris, France

Nov. 2020 - May. 2021

- Worked on podcast topic modeling using textual metadata. This work was accepted as a full paper at ECIR 2022 [2]

### Kustomer

ML/NLP ENGINEER INTERN

Madrid, Spain

June. 2020 - Sep. 2020

- Worked on enhancing the intent capabilities in CRM chats fine-tuning pre-trained transformers models

### Department of Software and Computing Systems, University of Alicante

RESEARCH ENGINEER

Alicante, Spain

Apr. 2019 - Sep. 2019

- Worked on quality estimation for machine translation systems using regression models

### Department of Software and Computing Systems, University of Alicante

RESEARCH INTERN

Alicante, Spain

Jan. 2018, Mar. 2019

- Worked on several projects on text sequence labelling and machine translation using RNNs, Seq2Seq and cross-lingual word embeddings

## Education

### Polytechnic University of Valencia

MASTER'S DEGREE IN ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND DIGITAL IMAGING

Valencia, Spain

Sep. 2019 - Sep. 2020

- Master's Thesis: *Data augmentation for text classification* advised by Francisco Casacuberta

### University of Alicante

BACHELOR'S DEGREE IN COMPUTE SCIENCE ENGINEERING

Alicante, Spain

Sep. 2014 - Feb. 2019

- High Academic Performance Group
- Bachelor's Thesis: *Neural Part-of-Speech tagging* advised by Juan Antonio Pérez-Ortiz and Felipe Sánchez-Martínez

## Publications

- [1] Chandan K. Reddy et al. *Shopping Queries Dataset: A Large-Scale ESCI Benchmark for Improving Product Search*. 2022. arXiv: 2206.06588 [cs.LG]. URL: <https://arxiv.org/abs/2206.06588>.
- [2] Francisco B. Valero, Marion Baranes, and Elena V. Epure. "Topic Modeling on Podcast Short-Text Metadata". In: *44th European Conference on Information Retrieval (ECIR)*. 2022.

## Skills

### Programming Languages

Python, SQL, bash and  $\LaTeX$

### Technologies

PyTorch, PySpark, Transformers, scikit-learn, linux terminal, Git, Docker and AWS

### Compute science

Data structures, algorithms, object-oriented and software systems design

### Natural Languages

Native in Spanish and professional working proficiency in English