

Fran B. Valero

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Alicante, Spain

Work Experience

- **Data Scientist** 06/2021 – Ongoing
Amazon.com, Inc.
Barcelona, Spain
Working on two research projects in the Search Science and AI department managed by Lluís Màrquez:
 - Building an open source search evaluation data set.
 - Using few short learning and distillation for short text generation.
- **Research & Development Intern** 11/2020 – 05/2021
Deezer S.A.
Paris, France
Used NLP and ML techniques to encode the podcast's textual metadata for searching supervised by Elena V. Epure.
The work performed during this internship was accepted as a full paper in the *European Conference on Information Retrieval (ECIR) 2022*.
- **Research Engineer Intern** 06/2020 – 09/2020
Kustomer, Inc.
Madrid, Spain
Worked on fine-tune with pre-trained Transformers models for intent detection managed by Víctor Peinado.
- **Research Engineer** 04/2019 – 09/2019
Department of Software and Computing Systems, University of Alicante
Alicante, Spain
Used ML models for estimating the quality of the machine translation systems supervised by Mikel L. Forcada for the *EFFORTUNE Spanish project (TIN2015-69632-R)*.
- **Research Intern** 01/2018 – 04/2019
Department of Software and Computing Systems, University of Alicante
Alicante, Spain
Worked on two research projects supervised by Juan Antonio Pérez-Ortiz and Felipe Sánchez-Martínez:
 - Used neural models as RNN and Seq2Seq for sequence labeling problems.
 - Used cross-lingual word embeddings for word translation.

Educational Background

- **Master's Degree in Artificial Intelligence, Pattern Recognition and Digital Imaging** 09/2019 – 09/2020
Polytechnic University of Valencia
Valencia, Spain
Master's Thesis: *Data augmentation for text classification*
Advisor: Francisco Casacuberta
- **Bachelor's Degree in Compute Science Engineering** 09/2014 – 02/2019
University of Alicante
Alicante, Spain
High Academic Performance Group
Bachelor's Thesis: *Neural Part-of-Speech tagging*
Advisors: Juan Antonio Pérez-Ortiz and Felipe Sánchez-Martínez

Grants

- Research Initiation Grant, *Ministerio de Educación Cultura y Deporte de España (MECD)* 2018/2019

Courses and training

- Deep Learning Specialization, online at Coursera, 2018.

Languages and Technologies

Programming Languages: Python, \LaTeX , Java, C/C++, bash

Technologies: NumPy, PyTorch, scikit-learn, NLTK, Transformers, SciPy, pandas, linux terminal, Git, Docker

Natural Languages: Native in Spanish and Catalan, professional working proficiency in English

Honors and Awards

- 3rd place in PAN@CLEF 2020 Author Profiling Competition

Reference list

- **Lluís Màrquez** (lluismv@amazon.com)
Amazon.com, Inc.
Barcelona, Spain
- **Elena V. Epure** (epure@deezer.com)
Deezer S.A.
Paris, France
- **Víctor Peinado** (victor.peinado@kustomer.com)
Kustomer, Inc.
Madrid, Spain
- **Mikel L. Forcada** (mlf@dlsi.ua.es)
University of Alicante
Department of Software and Computing Systems
Alicante, Spain
- **Juan Antonio Pérez-Ortiz** (japerez@dlsi.ua.es)
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