

Fran B. Valero

<https://franbvalero.github.io> • franbvalero@gmail.com • (+34) 678 81 24 74

Work Experience

- **Data Scientist** 06/2021 – Ongoing
Amazon.com, Inc.
Working in the Amazon Search NLP team to build a search evaluation data set supervised by Lluís Màrquez and Hugo Zaragoza. Barcelona, Spain
- **Research & Development Intern** 11/2020 – 05/2021
Deezer S.A.
Used NLP and ML techniques to encode the podcast's textual metadata for searching supervised by Elena V. Epure. Paris, France
- **Research Engineer Intern** 06/2020 – 09/2020
Kustomer, Inc.
Worked on fine-tune with pre-trained Transformers models for intent detection managed by Víctor Peinado. Madrid, Spain
- **Research Engineer** 04/2019 – 09/2019
Department of Software and Computing Systems, University of Alicante
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). Alicante, Spain
- **Research Intern** 01/2018 – 04/2019
Department of Software and Computing Systems, University of Alicante
Worked on two research projects supervised by Juan Antonio Pérez-Ortiz and Felipe Sánchez-Martínez. Alicante, Spain
 - 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
Master's Thesis: *Data augmentation for text classification*
Advisor: Francisco Casacuberta Valencia, Spain
- **Bachelor's Degree in Compute Science Engineering** 09/2014 – 02/2019
University of Alicante
High Academic Performance Group
Bachelor's Thesis: *Neural Part-of-Speech tagging*
Advisors: Juan Antonio Pérez-Ortiz and Felipe Sánchez-Martínez Alicante, Spain

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)
University of Alicante
Department of Software and Computing Systems
Alicante, Spain