

Fran B. Valero

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Alicante, Spain

Work Experience

- **Data Scientist** 06/2021 – 11/2021
Amazon.com, Inc. Barcelona, Spain
 - Working in the Amazon Search NLP team to build a search evaluation data setSupervisors: Lluís Marquez and Hugo Zaragoza
- **Research & Development Intern** 11/2020 – 05/2021
Deezer S.A. Paris, France
 - Worked on Podcast Topic Modeling using text as source of informationSupervisors: Elena V. Epure and Marion Baranes
- **Research Engineer Intern** 06/2020 – 09/2020
Kustomer, Inc. Madrid, Spain

Worked on fine-tune with pre-trained Transformers models:

 - Used RoBERTa for intent detection
 - Used GPT-2 for query auto-completionSupervisor: Víctor Peinado
- **Research Engineer** 04/2019 – 09/2019
Departamento de Lenguajes y Sistemas Informáticos, Universitat d'Alacant Alicante, Spain

Worked on the EFFORTUNE Spanish project (TIN2015-69632-R):

 - Used regression machine learning models for estimating the quality of machine translation systemsSupervisor: Mikel L. Forcada
- **Research Intern** 01/2018 – 04/2019
Departamento de Lenguajes y Sistemas Informáticos, Universitat d'Alacant Alicante, Spain

Worked on two research projects:

 - Used neural models as RNN and Seq2Seq for sequence labeling problems
 - Used cross-lingual word embeddings for word translationSupervisors: Juan Antonio Pérez-Ortiz and Felipe Sánchez-Martínez

Educational Background

- **Master's Degree in Artificial Intelligence, Pattern Recognition and Digital Imaging** 09/2019 – 09/2020
Universitat Politècnica de València Valencia, Spain

Master's Thesis: *Data augmentation for text classification*
Advisor: Francisco Casacuberta
- **Bachelor's Degree in Compute Science Engineering** 09/2014 – 02/2019
Universitat d'Alacant 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, Coursera

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 Marquez** (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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