

# Fran B. Valero

<https://franborjavalero.github.io> • [franborjavalero@gmail.com](mailto:franborjavalero@gmail.com) • +34 678 81 24 74  
Alicante, Spain

## Work Experience

- **Research & Development Intern** 11/2020 – 05/2021  
**Deezer S.A.** Paris, France
  - Working 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,  $\text{\LaTeX}$ , Java, C/C++, bash

**Technologies:** Transformers, PyTorch, scikit-learn, NLTK, SciPy, NumPy, 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

- **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