

# Francisco de Borja Valero

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## Work / Research Experience

- **ML Engineer Intern**  
**Kustomer, Inc.** 06/2020 – 09/2020  
Worked on fine-tune with pre-trained Transformers models:
  - Used RoBERTa for detecting the intent of the user queries.
  - Used GPT-2 for suggesting words to the user while it is typing a message.Supervisor: Víctor Peinado
- **Research Engineer**  
**Departamento de Lenguajes y Sistemas Informáticos, Universitat d'Alacant** 04/2019 – 09/2019  
Worked on the EFFORTUNE Spanish project (TIN2015-69632-R):
  - Used regression machine learning models for estimating the post-edited time of the translations generated by different automatic machine translation systems.Supervisor: Mikel L. Forcada
- **Research Intern**  
**Departamento de Lenguajes y Sistemas Informáticos, Universitat d'Alacant** 01/2018 – 04/2019  
Worked on two research projects:
  - Used neural models as RNN and Seq2Seq for sequence labeling problems.
  - Used cross-lingual word embeddings for word translation.Supervisors: Juan Antonio Pérez-Ortiz and Felipe Sánchez-Martínez

## Educational Background

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

## Grant

- 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, L<sup>A</sup>T<sub>E</sub>X, C/C++, Java

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

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

## **Honors and Awards**

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

## **Personal projects**

In my GitHub<sup>1</sup> there are some repositories related with Natural Language Processing and Computer Vision.

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<sup>1</sup><https://franborjavalero.github.io/projects>