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

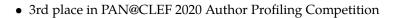
• Deep Learning Specialization, Coursera

Languages and Technologies

Programming Languages: Python, LATEX, 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



Personal projects

In my GitHub¹ there are some repositories related with Natural Language Processing and Computer Vision.

 $^{^{1}}https://franborjavalero.github.io/projects\\$