Francisco de Borja Valero

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Alicante, Spain

Work / Research Experience

- **Research Engineer Intern** — 06/2020 – 09/2020
  Kustomer, Inc. — Remote
  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** — 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 post-edited time of the translations generated by different automatic machine translation systems

  Supervisor: Mikel L. Forcada

- **Research Intern** — 04/2019 – 09/2019
  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 translation

  Supervisors: 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, 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[1] there are some repositories related to Natural Language Processing and Computer Vision

Reference list

- **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

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[1]https://franborjavalero.github.io/projects