Gloria del Valle Cano

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EDUCATION

MSc Data Science   Present
Autonomous University of Madrid

BSc Computer Science   July 2021
Autonomous University of Madrid

EXPERIENCE

R&D Tax Consultant Intern   October 2019 – March 2020
KPMG Spain   *Madrid, Spain*

- Drafting scientific and technological descriptions of AI projects
- Automatizing spreadsheets for the value of claims, apportioned between the different R&D regimes
- Explored ways to analyse and present relevant financial information to support R&D tax credit claims

PROJECTS

SocialHaterBERT · *Bachelor's Thesis*   June 2021

- Main title of *Detecting hate speech messages on Twitter: a study based on social network profiles*
- Conducted in cooperation with the Spanish National Office Against Hate Crimes of the Spanish State Secretariat for Security (Ministry of Interior)
- Proposal for a novel NLP approach for feature analysis based on user profiles, related social environment and generated tweets
- Development of a combined BERT model capable of analyzing features beyond those intrinsically lie in the text for the detection of hate speech on Twitter

COURSES AND CERTIFICATES

Applied Text Mining in Python · *University of Michigan*   June 2019
Natural Language Processing · *National Research University Higher School of Economics*   August 2019
Python for Data Science · *Coursera Project Network*   July 2020
IBM Data Science Professional Certificate (3/10) · *IBM*   Present

PUBLICATIONS

Articles in conference proceedings

- del Valle, G. & Quijano-Sánchez, L.& Gómez, J., *Detecting Hate Messages on Twitter: A BERT-based Model for the Classification of Hate Speech in Spanish*, in Proceedings of International Congress "Hate and Discrimination in turbulent times", 2021, Málaga, Spain

LANGUAGES

Spanish: Native
English: Advanced
French: Elementary

TECHNICAL SKILLS

Advanced knowledge: Python, C/C++, LaTeX, SQL, Neo4j, NLP Transformers
Intermediate knowledge: R, Lisp, Java, HTML/CSS, JavaScript, MongoDB