Javier Sáez Maldonado

Personal Data

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Education

2021-current	**Masters Degree in Data Science** Universidad Autónoma Madrid, Spain	
2015-2021	**Bachelor Degree in Computer Science** University of Granada, Spain Specialized in Machine Learning.	**Bachelor Degree in Mathematics** University of Granada, Spain

Projects and Memberships

Bachelor's thesis	**Representation learning using contrastive learning** Reviewed the state-of-art frameworks in computer vision that use contrastive learning to learn good representations for downstream tasks. Also reviewed mutual information lower bounds for machine learning. https://github.com/fjsaezm/Mutual-Information-in-Unsupervised-Machine-Learning.
Deep Learning	**Instance segmentation using CNNs** Adapted Mask R-CNN in python to obtain instance segmentation in own database. https://github.com/fjsaezm/mask-rcnn-in-openimages-subset
LibreIM	Nonprofit student organization dedicated to creating notes for several CompSci and Maths subjects. I've collaborated taking notes on Algebra, Geometry and Statistics. https://github.com/libreim
Competitions	**Hash Code 2020** Team based competition. Ranked 1422 globally. **Tuenti challenge 2020** Individual challenge in which you must solve as many problems as you can in one week. Ranked 211.

Work experience

Jun 2020-Dec 2020	**Machine Learning Internship at Input For You** I used OpenCV for image preprocessing and tested different YOLO versions for object detection in images.

Languages

Spanish:	Native
English:	Fluent - Cambridge Certificate in Advanced English (CAE) - October 2020
French:	Basic knowledge

Computer Skills

Advanced Knowledge :	Python, LaTeX, Git, OpenCV
Intermediate Knowledge:	C++, Linux, Keras, R, MatLab
Basic Knowledge:	Ruby, C/C#, SQL, HTML, Java, Android

Interests

Representation Learning, Variational Inference, Contrastive Learning, Statistics, Open Source, Unsupervised Learning, Deep Learning