



RICARDO KLEINLEIN

PhD. Student

CONTACT

Madrid, Spain

(0034) 600 394 426

ricardo.kleinlein@upm.es

ricardokleinlein.github.io

LANGUAGES



Native



C1



B1 (N4)

FRAMEWORKS



Tensorflow



Pytorch



Sklearn



Keras



NLTK



Pandas

COMMUNITIES

[Nova Talent](#)

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HOBBIES



ABOUT ME

To learn is my passion. I am fascinated by how machine learning can help us finding out the patterns that build our perception of the world around. Teamwork, communication and new challenges are my daily motivation.



EXPERIENCE

2019

PhD. Student

Universidad Politécnica de Madrid, Spain

Focus on the analysis of cognitive appraisals (aesthetics, attention and memorability) as indicators of the viewer's affective experience after consuming multimedia productions.

- Teacher at *Intelligence in Electrical Systems*, MSc. Electrical Systems (Spring 2020)

2018

Research Intern

National Institute of Informatics, Japan

Worked on multimodal, multitask novel methodologies in automatic speech synthesis using self-learning models at the Yamagishi-Lab.

2017

Research Intern

Universidad Politécnica de Madrid, Spain

Carried out a comprehensive study on the effect of different word-embedding-extraction pipelines in automatic speech recognition models.

2018

Co-founder

Nautilus.AR, Madrid, Spain

2017

Augmented reality for educational purposes from a gamification-based strategy. Finalist project in ActúaUPM and Yuzz-Santander.

2017

Researcher

Medicsen, London, UK & Madrid, Spain

2015

Designed and implemented from scratch a State-of-the-Art automatic glycaemic curve predictor for Diabetes type I patients.



EDUCATION

2018

MSc. CS & Mathematics

Universidad Oberta de Catalunya, Spain

2016

Thesis title: "Prediction of Breast Cancer Survival Rates" – Graded 10/10

2017

MSc. Robotics

Universidad Politécnica de Madrid, Spain

2015

Thesis title: "Deep Learning Strategies for the Enhancement of Automatic Speech Recognition Architectures" – Graded 10/10

2015

Bachelor in Physics

Universidad Autónoma de Madrid, Spain

2010

Thesis title: "Isotropic-Nematic-Liquid Crystal Phase Transition: a lattice model" – Graded 9/10





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LIST OF PUBLICATIONS

Kleinlein, Ricardo; Luna-Jiménez, Cristina; Callejas, Zoraida; Fernández-Martínez, Fernando; Predicting Media Memorability from a Multimodal Late Fusion of Self-Attention and LSTM Models,"MediaEval'20, December 14-15 2020, Online",2020,

Kleinlein, Ricardo; Jiménez, Cristina Luna; Montero, Juan Manuel; Callejas, Zoraida; Fernández-Martínez, Fernando; Predicting Group-Level Skin Attention to Short Movies from Audio-Based LSTM-Mixture of Experts Models.,INTER_SPEECH,61-65,2019,

Kleinlein, Ricardo; García-Faura, Álvaro; Luna Jimenez, Cristina; Montero, Juan Manuel; Díaz-de-María, Fernando; Fernández-Martínez, Fernando; Predicting Image Aesthetics for Intelligent Tourism Information Systems,Electronics,8,6,671,2019,Multidisciplinary Digital Publishing Institute

Kleinlein, Ricardo; Riano, David; Persistence of data-driven knowledge to predict breast cancer survival,International journal of medical informatics,129,,303-311,2019,Elsevier

Luna-Jiménez, Cristina; **Kleinlein, Ricardo;** Fernández-Martínez, Fernando; Muñoz, José Manuel Pardo-Muñoz; Moya-Fernández, José Manuel; GTH-UPM System for Albayzin Multimodal Diarization Challenge 2020,"IberSPEECH'2020, March 24-26 2021", Valladolid, Spain.

Fernández Martínez, Fernando; Callejas Carrión, Zoraida; **Kleinlein, Ricardo;** Luna Jiménez, Cristina; Montero Martínez, Juan Manuel; Pardo Muñoz, José Manuel; Project CAVIAR Capturing Viewers' Affective Response,2019,Sociedad Española para el Procesamiento del Lenguaje Natural

Muñoz, José Manuel Pardo; Martínez, Fernando Fernández; Carrión, Zoraida Callejas; **Kleinlein, Ricardo;** Jiménez, Cristina Luna; Martínez, Juan Manuel Montero; ,Inferencia de la respuesta afectiva de los espectadores de un vídeo, Procesamiento del lenguaje natural, 63,155-158,2019, Sociedad Española para el Procesamiento del Lenguaje Natural

García-Faura, Álvaro; Fernández-Martínez, Fernando; **Kleinlein, Ricardo;** San-Segundo, Rubén; Díaz-de-María, Fernando; A multi-threshold approach and a realistic error measure for vanishing point detection in natural landscapes,Engineering Applications of Artificial Intelligence,85,713-726,2019,Pergamon

