1

**Nicolás Gutiérrez Rolón**

NLP Junior Machine Learning Engineer

Email: ngutierrezrolon@gmail.com  
Website: https://ngutierrezrolon.github.io/  
LinkedIn: <https://www.linkedin.com/in/nicolas-gutierrez-rolon/>

London SW196NB UK

**Education --------------------------------------------------------------------------------**

2024- Stanford, XCS224N Natural Language Processing with Deep Learning

2020-2023 University of Warwick, BSc Mathematics and Statistics

2019- 2020 MPW, International Foundation Programme (Pure Maths)

**Recent Projects -------------------------------------------------------------------------**

* Built from scratch a word2vec implementation to generate word embeddings.
* Implemented machine translation using bidirectional RNN and LSTM cells in an encoder-decoder architecture.
* Applied Hugging face transformers and self-attention mechanisms for question answering tasks.

**Skills ----------------------------------------------------------------------------------------**

*Programming and Machine Learning*

* general purpose: Python, R, Java, web development: HTML, CSS, Javascript
* Principal Component Analysis (PCA), Clustering, Support Vector Machines (SVM), Neural networks using PyTorch, Decision Trees, Reinforcement Learning.

*Natural Language Processing*

* Preprocessing tokenization, lemmatization, part of speech tagging, named entity recognition, dependency parsing, sentiment analysis, using libraries like NLTK, Spacy, Gensim.
* Information extraction, question answering with Hugging Face Transformers, Seq2seq machine translation with Encoder-decoder architectures.

**Languages -------------------------------------------------------------------------------**

* Spanish, native
* English, C2 IELTS: 8.5
* Chinese, HSK4
* French **B1**
* German **B1**