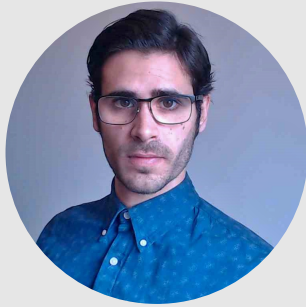


# Héctor Bullejos Martinez

Data Scientist



## About me

Data Scientist and Machine Learning Specialist with 5+ years of experience in predictive modeling and data mining. Translating ideas to algorithms and products through the latest Deep Learning technique and tools. Technology enthusiast, with broad knowledge of computer and data science specially through python development. Superior communication (verbal and written) and interpersonal skills to deliver high value customer impact as well as thriving in a team environment.

## Contact

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☎ +34 670531168

📍 Madrid

🌐 Héctor F. Bullejos

🐙 GitHub: HectorBullejos

## EDUCATION

2017-2019



**Master Degree**  
**Industrial Engineering**

📍 Madrid, Spain

## EDUCATION

2012-2017



**Bachelor Degree**  
**Industrial Technologies**

📍 Madrid, Spain

## WORK EXPERIENCE

Mar.21 - Current

**Machine Learning Specialist**

📍 Madrid, Spain

*Optimissa Capital Markets Consulting*  
*Intelligence Center – SearchingHelp App*

Design, trained and deploy over 20+ Deep Learning NLP models to track smart devices texting interactions through different markers.

- Achievement of at least 80 % recall in the models ability to label whether or not the text data fit the marker.
- Design and implementation of the relabeling and retraining sequence for the models.
- Design and development of an efficient and reliable ETL infrastructure that updates information to the system on daily basis.
- Daily mail report automation to spot performance issues and errors.

Dec.21

**Seminar Speaker**

📍 Madrid, Spain

*Optimissa Talent Factory*  
Deep Learning Foundations

May 21 - Aug.21

**Machine Learning Specialist**

📍 Madrid, Spain

*ARVision / Inditex*

- POC Development of a footwear tracking algorithm. An object recognition system able to replace key points by an augmented reality model for an international fashion retail company.

May 21 – Aug.21

**Machine Learning Specialist**  
**Data Scientist**

📍 Hamburg, Germany

*Flits Live Music*

- POC Development of a Deep Learning Digital platform monitoring algorithm. This algorithm was able to label multimedia data bases on its content with a 99 % accuracy rate guided by three different DL algorithms depending on the sequence results.
- Development of a live music splitting algorithm capable of pointing out the beginning and end of every song in a live music show with a 99 % accuracy rate.

Nov.19 – Feb.21

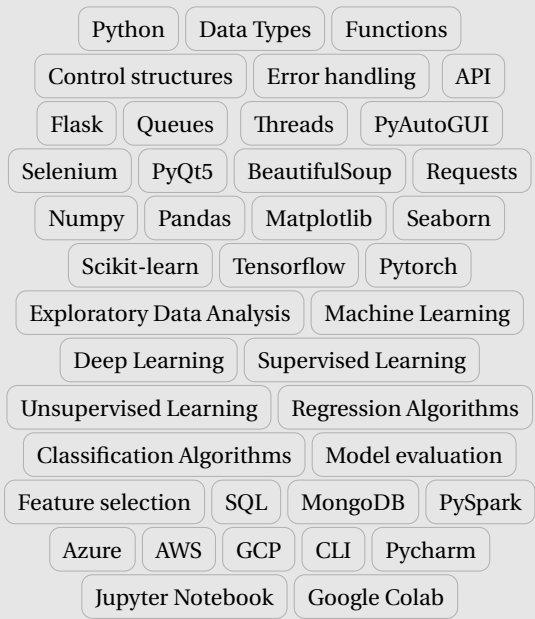
**Machine Learning Specialist**  
**Data Scientist**

📍 London, UK




*ClusterMath*

- Research and implementation of a Tensorflow work bench. This work bench was implemented in both Linux and Windows OS. The purpose of this work bench was to train and evaluate Computer Vision and NLP models.
- Develop API systems to collect data from mainstream social networks. Developed realtime data analysis and data preparation pipelines including previously trained NLP models providing results visualization.
- Expertise in training and deploying CNN and LSTM models.
- Retrained, Implemented, and debugged previously trained models and frameworks

Skills and Tools stack



Languages

-  Spanish - Native language
-  English - Professional Knowledge
-  German - Intermediate

Mar.20

**Seminar Speaker**  
*Nebrija University*  
I Seminario de Inteligencia Artificial aplicado a Industria y Negocios – Genetic Algorithms applied to Cybersecurity Thread Detection.

📍 Madrid, Spain

Apr.19 - Dec.19

**Consultant Engineer in Research and Design**  
*Altran Innovacion - IT HUB Madrid*  
- Research and implementation of cyber security work bench. This work bench was implemented with the ELK suite and was capable of testing three different cybersecurity threads in multiple machines and monitor them.  
- Designed a classification model to identify these threads.  
- Evaluate and validate results against standard models

📍 Madrid, Spain

Dec.17 - Apr.18

**Part-time Internship Junior Python Programmer**  
*ALI S.L.*  
- Research and selection of a machine able to work as GPU with CUDAs Technology and assistance in the setting and installation phase.  
- Raw data analysis.  
- Input data mapping for MLP Regressor and KNN algorithm, achieving predictions over 99 % accuracy.

📍 Madrid, Spain

ADDITIONAL EDUCATION

- Ashrae Spain Chapter. Member of Ashrae Student Branch:** Ashrae
- Machine Learning. Andrew NG. Stanford University:** Coursera
- Princeton University. Buddhism and Modern Psychology. :** Coursera
- Python and Spark. Setup Development Environment:** Coursera

Projects

- TWEETY. 2019 - 2020.** This is an automation tool designed to scrape newly launched crypto projects from the Twitter API and classify each tweet with a rating system. The tool leverages the power of the Twitter API to gather information about new crypto projects as they are being launched. It then uses an advanced rating system to classify each tweet, allowing users to quickly and easily understand the sentiment and relevance of each post.
- OSMOGOV. 2020-2021.** This is a Python-based blockchain node that retrieves information about OSMO crypto assets. Its primary purpose is to monitor substantial changes in wallet balances and provide real-time updates to users. By building a node in the blockchain network, this tool enables users to access and analyze data about their crypto holdings, helping them make informed decisions about their investments.
- AUTOWHATSAPP. 2022.** This is a Python-based bot that utilizes the WhatsApp desktop application to efficiently manage incoming messages and prioritize their processing in a queue. The bot operates by directing each incoming message to a designated queue, where they are processed in a sequential and organized manner, ensuring that no message goes unnoticed or unprocessed.

AWARDS

- The International Committee of the Red Cross Humanitarian Technology award in the impulse category for enormous global potential and scalability App for SearchingHelp in 2021 at MWC, Barcelona, 2022.