



# Juan Luis Ruiz-Tagle

Data Scientist

## Profile

I am a **skilled** data scientist looking for new opportunities. My interests lie primarily in deep learning, time series forecasting and NLP. You can check out some of my projects in **GitHub**. I am a disciplined person who can commit himself and work both hard and smart. I like to prioritize and address problems from a **business perspective**. I love to learn new stuff on math, tech, music, culture and languages. Personally, I am committed to giving my personal time to others through **voluntary services**, which has helped me to acquire leadership skills.

## Employment History

### Data Scientist at CARTO, Madrid

December 2020 — Present

CARTO is a startup focused on spatial data science and location intelligence. In my team, we build predictive models for a variety of use cases, develop ETL pipelines to include new datasets in the Data Observatory and research about new algorithms and applications.

### Data Scientist at Acciona, Madrid

September 2020 — Present

At Acciona, I work on the moto-sharing service analysing spatial data from our motorbikes. We build geospatial models to detect which are the optimal locations to place them in order to maximize profit.

### Data Scientist at ETS Asset Management Factory, Madrid

December 2019 — June 2020

ETS Factory is a financial advisory firm which makes stock market investment recommendations driven by data science.

- I developed a RESTful API based on Flask which serves synthetic stock series generated with a GAN on the go.
- I implemented a novel deep learning portfolio investment strategy and deployed it to our internal servers to automate portfolio recommendations.

### Data Analyst at Seedtag, Madrid

April 2019 — August 2019

Seedtag is a young adtech startup which sells in-image advertisement.

- I built an ETL which aggregated data from Seedtag's advertising campaigns.
- I helped the CEO to prepare the company's next funding round by analyzing revenues and client fidelity.

## Projects

### Finalist at Cajamar UniversityHack Datathon 2020

Together with my team, I got classified to the **final phase** of the Minsait Challenge. Our code is available on **Github**.

### Spatial Analysis of taxi data in Ney York

I perform a **detailed analysis** of taxi data in NY and combine it with socioeconomic data to build a **geospatial regression model**.

### Computer vision: Traffic sign detection and classification

## Details

Pozuelo de Alarcón

Madrid

Spain

[juanluis.rto@gmail.com](mailto:juanluis.rto@gmail.com)

Nationality

Spanish

## Skills

Python

Machine Learning

(Scikit-Learn, statsmodels)

Deep Learning (Tensorflow)

Java (Android)

R

Big Data (Spark, Flink)

DevOps (Jenkins, GCloud)

Databases (SQL, NoSQL)

Git

Linux

Docker

Apache Airflow

Problem-solving

Leadership

## Languages

Spanish

English

Swedish

French

## Hobbies

Hiking

Playing the piano

Reading

Photography

Woodcraft

[Attempt](#) to predict signs from the German Traffic Sign dataset with CNNs, data augmentation and non-maximum-suppression.

### **Svenska Scraper**

A [scraper](#) I built to help me study the Swedish language. Given a list of words in Spanish, it gathers their translations as well as example sentences.

### **Leader and main organizer of volunteering camp at IYC, Uganda**

July 2017

Backed by [IYC](#) (NGO), I organized a volunteering camp where a group of 15 students from different countries went to Uganda. For 3 weeks we built a classroom in Kito, a poor village in the north-east part of the country. We raised 11.000 € to pay for the costs of the project.

### **Links**

[juanluis.me](http://juanluis.me)

[github.com/juanluisrto/](https://github.com/juanluisrto/)

[linkedin.com/in/juanluisrto/](https://linkedin.com/in/juanluisrto/)

## **📖 Publications**

### **Can neural networks predict the stock market just by reading newspapers?**

[Article](#) published in Quantdare, a blog run by data scientists at ETSFactory.

### **Scraping Google Search (without getting caught)**

[Article](#) published on Medium about a scraping method resilient to IP blocking, using Google Cloud.

### **Speed comparison of convolutional neural networks in TensorFlow**

[Paper](#) published during an internship at Slagskryssaren, a tech agency in Stockholm.

### **Predicting stock prices through text media sentiment analysis**

Ongoing [research](#) for my master thesis. I use LSTM networks together with BERT, an NLP deep learning network.

## **🎓 Education**

### **MSc, Data Science, Universidad Politécnica de Madrid, Madrid**

September 2019 — June 2020

Top 5% Awarded with [Price](#) to Best academic record.

### **MSc, Computer Science, KTH Royal Institute of Technology, Stockholm**

September 2018 — March 2019

### **BSc, Information and Communication engineering, KTH Royal Institute of Technology, Stockholm**

September 2015 — June 2018

Top 5% – GPA: 4.26