

ISMAEL ESTALAYO

✉ ismael.em@outlook.com

📍 Bilbao (Spain)

🌐 ismaelestalayo.com

🐦 @ismaelestalayo

in IsmaelEstalayo

EXPERIENCE

Software Engineer

Keynetic Technologies

📅 May 2019 – June 2020

📍 Bilbao + Remote

- Enterprise-scale traffic capture, processing, analysis and visualization.
- Gained experience with **Cisco and HP routers** to capture, **Python + Pandas** for data processing and analysis, and **ElasticSearch + Kibana** for database and visualization of the data.

Cooperative education student

TECNALIA Research & Innovation

📅 Feb – Abr 2019

📍 Bilbao

- Analysis on the impact of events on road traffic and planning of ecological routes with paper published in the IEEE magazine.
- Took care of collecting, processing and exploring the data, and creating a multivariate **neural network** for traffic forecasts that would later serve for route optimizations.

Coordinator

Bilbao Dynamics

📅 Feb 2016 – Sep 2019

📍 Bilbao

- Member of a non-profit association created by a group of students from the UPV/EHU that aimed to promote scientific-technological vocations.
- I coordinated and taught over a dozen of courses on robotics and 3D printing to children to **advocate for STEM education**.

PUBLICATIONS

Deep Recurrent Neural Networks and Optimization Meta-Heuristics for Green Urban Route Planning with Dynamic Traffic Estimates

📅 Nov 2019

📍 IEEE ITSC

Authors: *Ismael Estalayo, Eneko Osaba, Ibai Laña, Javier Del Ser.*

Return, Diversification and Risk in Cryptocurrency Portfolios using Deep Recurrent Neural Networks and Multi-Objective Evolutionary Algorithms

📅 Ago 2019

📍 IEE CEC

Authors: *Ismael Estalayo, Javier Del Ser, Eneko Osaba, Miren Nekane Bilbao, Khan Muhammad, Akemi Gálvez, Andrés Iglesias.*

TECHNICAL SKILLS

Python C# + XAML Java C++ HTML + CSS + JS

Git Machine Learning Big Data

EDUCATION

Msc. in Telecommunication Eng.

Univ. of the Basque Country – UPV/EHU

📅 Oct 2019 – May 2020

- Six months Erasmus stay in Vilnius, Lithuania.

Bsc. in Telecommunication Eng.

Univ. of the Basque Country – UPV/EHU

📅 Sep 2013 – Mar 2019

- Graduated in the specialty of Telematics and a promotion note of 6.97.
- Thesis on optimization of investments in cryptocurrencies through ML techniques, reflected in a paper presented at the CEC congress in 2019.

LANGUAGES

- **Spanish:** native
- **English:** advanced (B2 title)
- **Basque:** advanced (B2 title)

PROJECTS

🖥️ Crypto Tracker

📅 Aug 2017 – Currently

- Universal Windows app with over 20k downloads to stay up to date with cryptocurrencies with a portfolio section that calculates profits / losses of investments.

🌐 Dataseeds

📅 Aug – Oct 2020

- Designed and created the webpage for Dataseeds, one of the three finalists in the EU Datathon 2020 at challenge 1: A European Green Deal.

🍷 MainU

📅 Feb 2018 – Jun 2018

- Project carried out with three colleagues for class which allowed to have the daily menu, snacks and servings of the cafeteria, as well as commenting and rating said products.