Aritz Lizoain

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⭘ https://github.com/aritzLizoain

Nationality: XXXXXX

Residence permit: X

📞 (+XX) XX XXX XX XX

EDUCATION

M.Sc. in Statistics   Sept 2021 - Present
Universté de Neuchâtel
Current grade: 5.8/6.0

- Relevant coursework: computational statistics, data mining, generalized linear models, statistical learning, time series analysis, multivariate analysis.

B.Sc. in Physics   Sept 2016 - Sept 2020
Universidad de Cantabria | *Universität Zürich* *(2018-2019)*

PROFESSIONAL EXPERIENCE

Data Science Intern   Jul 2022 - Present
Diabetes Center Berne (DCB)

- Data analysis and modeling of in-vitro glucose measurements.

Machine Learning Engineer   Nov 2020 - May 2021
Cheque - Der intelligente Cloudspeicher

- Researched state-of-the-art machine learning implementations in Python, in addition to performing data wrangling and feature engineering to develop a document management mobile application.

- Employed transfer and ensemble learning in object detection models trained on self-annotated images for document layout analysis.

- Achieved above 97% accuracy in text classification by applying text mining and natural language processing (NLP) techniques to unstructured data in English and German.

Search for dark matter with deep neural networks   Feb 2020 - Sept 2020
Institute of Physics of Cantabria (IFCA)

- Pioneeringly discriminated pixel-sized dark matter candidate signals on 16 megapixel images by designing and implementing an end-to-end image segmentation pipeline.

- Built from scratch, trained, optimized, and evaluated a Convolutional Neural Network (CNN) with Keras, which achieved a 99% test accuracy.

TECHNICAL SKILLS

- Python
- MATLAB
- Stata
- R
- SAS
- Java

LANGUAGES

- Spanish   (native)
- Basque   (native)
- English   (native proficiency C2)
- French   (intermediate B1)