Aymeric Basset



Machine learning Engineer

ABOUT ME

I'm a French engineer specialized in artificial intelligence and cyber-physics. I want to tackle challenges so far unsolvable and help others using machine learning. I have a great interest in medical topics in all shapes and forms. I think this is a watershed moment for data science to positively impact our society and I want to be part of it.

EDUCATION

TELECOM PARIS

Paris.2020-2021

Specialized Master in Artificial Intelligence

Deep Learning, Reinforcement Learning, Metaheuristic Optimization, Natural Language Processing, Statistical Learning, Multi-agent Programming, GPGPU Programming, Perception for autonomous systems

ENSTA PARIS

Paris, 2017-2021 Graduate School of Engineering, MSc

Core scientific training in Mechanics (Solids, Fluids, Quantum), Mathematics (Statistics & Probability, Calculus, Geometry), Computer Sciences (Signal Processing, Software Engineering, Databases, Parallel Programming) and Biology (introduction to Genetic and Immunology)

CLASSES PREPARATOIRES

Grenoble,2014-2017

2 years of very demanding scientific courses with prior selection before competing in nationwide exams to enter Top French Graduate Schools of Engineering. Ranked 303 (top 5% overall)

SKILLS

Academic Knowledge **Data Science Proficiency**

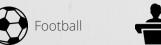
Python (Pandas, Sklearn...) Frameworks (Pytorch, Keras) Jupyter, Github **AWS**

IP PARIS

PARIS

C++, Java, Javascript Linux LateX SQL, R

INTERESTS





Public Speaking





CONTACT

in/aymeric-basset

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EXPERIENCE

RESEARCH ASSISTANT - LONDON

King's College London, MAR 20- AUG 20

- Scrapped medical web data to create a comprehensive disease database and applied classification and clustering techniques on it.
- Built a simplified interface for doctors to generate randomized patients and test diagnostic tools.
- Improved state-of-the-art medical annotation tool for drug/dosage NER

RESEARCH ASSISTANT - LONDON

King's College London, MAY 19- AUG 19

 Improved Acute Kidney Injury diagnostic performance using machine learning and performed a thorough model analysis and explanation using Shapley values and statistical tools.

DATA SCIENTIST - PARIS

Institut Louis Bachelier, SEP 19- MAR 20



- Researched GAN applications for financial time series.
- Prediction of food insecurity due to droughts in Africa using spatial and temporal data.
- Built a tool to complete missing values in industrial databases using sequential models with customizable parameters.

LANGUAGES

- French, native
- English, fluent (TOEIC 985/990)
- · Spanish, minimum working proficiency

AWARDS & PUBLICATIONS

MASTER'S RESEARCH PROJECT

Awarded among Ensta's best research project - 2019

ACUTE KIDNEY INJURY PREDICTION IN ICU

Improved disease detection using structured and unstructured data - Ongoing research publication

