Aymeric Basset

AB

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.

CONTACT

(+33)679112690

aymeric.basset@gmail.com

1051 route d'aix les bains, 73000 Sonnaz

AymericBasset.github.io

in/aymeric-basset

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)

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.

SKILLS

Data Science Proficiency

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

Academic Knowledge

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

LANGUAGES

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

INTERESTS

Football

Video Editing

Public Speaking

Sport Coaching

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