

PIERRE-LOUIS BENVENISTE

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PhD - Deep Learning for medical imaging, geometric data analysis, multimodal models

EDUCATION

2022-2023	École Normale Supérieure Paris Saclay <i>Master MVA (Mathematics, Vision and Learning)</i> <i>Convex Optimisation, Machine Learning, Deep Learning, Computer Vision, Statistics</i>	Paris, France
2017-2021	ISAE-SUPAERO <i>Master in Industrial Engineering; Applied to Energy, Transport and Environment</i> <i>Final Project: Digital twin of a martian greenhouse for the National Center for Space Studies (CNES) and the European Astronaut Centre (EAC)</i>	Toulouse, France
2019-2020	Imperial College Business School <i>Master in Management</i> <i>Dissertation: A study of the effects of Sustainable Supply Chain Management on the automotive industry</i>	London, UK
2019	Beijing University of Aeronautics and Astronautics (北京航空航天大学) <i>Exchange semester</i>	Beijing, China
2015-2017	Lycée privée Sainte Geneviève <i>Preparatory school for top French engineering schools: PCSI – PC*</i>	Versailles, France

PROFESSIONAL EXPERIENCES

2023-	POLYTECHNIQUE MONTREAL - Research Intern (2 months) <ul style="list-style-type: none">Segmentation of Multiple Sclerosis lesions using deep learningMRI to CT model construction and trainingMaintaining and developing reproducible code on github	Paris, France
2021-2022	ONEPOINT - Data Analyst (1.5 year) <ul style="list-style-type: none">Python analysis of datasets from clients of the energy sector and dashboard creation for the steering of key parameter indicators using PowerBIFounder of a R&D service in AI in order to complement the data consulting capabilities at OnepointTeacher for the "Data Analysis in Python" class for master students at ECE engineering school	Paris, France
2020	TALAN SOLUTIONS - Big Data Intern (4 months) <ul style="list-style-type: none">Implementation of a web application in order to interact with the client's databaseSCRUM method managed project using tools such as JIRA and Microsoft AzureMastering of new coding languages (JavaScript, HTML) and GDPR certification	Paris, France
2017-2019	SUPAERO Junior Conseil - Business Developer (1.5 year) <ul style="list-style-type: none">Research for new clients, meetings with HR directors as well as technical managersCreation of a new major partnership between SUPAERO Junior Conseil and LATÉCOÈRETraining of first year students in business development	Toulouse, France

LEADERSHIP EXPERIENCES

2018	President of ISAE-SUPAERO's gliding club <ul style="list-style-type: none">Managed weekly flights for more than 50 members and a budget of 18,000 €Organised events gathering more than 100 pilots from the South-West of FranceResponsible of external communication with the school's administration	Toulouse, France
2018	Vice-president of ISAE-SUPAERO's rugby team <ul style="list-style-type: none">Organised tournaments with other universities and prepared weekly trainingsDealt with public communication by writing game highlights on social media	Toulouse, France

ADDITIONAL CAPABILITIES

COMPUTER SCIENCE – Python, C, Java, Matlab, Excel, Windows, Linux, OS
DATA – TensorFlow, PyTorch, Scikit-learn, PowerBI, Tableau, Jupyter, Google Collab
– Data science and Big Data certificate (Université Paul Sabatier)
BUSINESS DEVELOPPER – Business development training by Alten (2017)
LANGUAGES – French (Native), English (C1), Mandarin (C1), Spanish (B1)

INTERESTS AND HOBBIES

- Fond of Asia where I lived for 8 years: learning and understanding of the culture and language
- Passed the gliding pilot certificate in order to participate to regional championships
- Yearly organisation of music festivals for 3 years (200 participants)
- Travel and adventure enthusiast: travelled alone in China (1 months in 2019) and in the Balkans (1 months in 2021): increased adaptability and cultural awareness