Jeremy Uzan

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━━━ Education

2020-2021 **MSc ATIAM**, *Acoustics Research Institute @IRCAM Paris, France.*
Machine Learning : GANs, Variational Autoencoders, data generation methods in Latent Space. Signal Processing : Mel algorithms, Klapuri method, NMF for source separation. Acoustics : Perception, HRTF, 3D sound, hearing aid, instrument synthesis, impulse response synthesis for reverberation and room acoustics.

2018-2020 **Master 1 Statistics and Machine Learning**, *École Polytechnique and Sorbonne UPMC, Paris, France.*
Mathematical Methods in Biology, Stochastic Calculus, Mathematical Methods for Neurosciences Cloud Computing, ML and Neural Networks, GPU Based Parallel Programming.

2014-2017 **Bachelor in Applied Mathematics**, *Sorbonne Université Pierre and Marie Curie (UPMC, France).*
Graduated with honors in intensive mathematics Coursework : Probability Theory, Statistics, Partial Differential Equations (Python) Statistical computing in Rstudio, C++ programming.

━━━ Technical Skills

Languages, Python, C++, Rstudio, Rust, SQL, IML, Scilab.
Libraries , PyTorch, TensorFlow Keras, Spacy, StanfordNLP, Magenta, Cuda.
Methodology, Worktools, Agile SCRUM, Trello, GitLab, GitHub, Slack.
Cloud , Docker, Spark, Azure Server, Wordpress.
Software , Office, Adobe, Ableton, ProTools.

━━━ Work Experience

April 2021 - present **Engineer**, *SONY : Computer Science Lab*, Paris, Tiny AI. Generative Models on Embedded Device.
— Distillation and Pruning techniques for compression of deep learning models

May – October 2019 **Data Scientist Intern**, *CAPGEMINI : SOGETI TECH LAB*, Paris, Working with Scrum Agile methodology in the Data/AI cluster.
— Project in Natural Language Processing (Spacy, BERT, StanfordNLP) for entity recognition
— Image Recognition with RCNN implementation for damaged car recognition.

January – June 2018 **Sound Engineering Assistant**, *STUDIO CERCLE ROUGE PARIS*, (Quick learning skills).
White and Spirit are 2 French producers. I worked as an assistant in production. Setting Up the recordings, helping for the mix, bringing ideas in the projects.

July 2014, 2016, 2017 **Summer Job**, *Association Yaniv*, (Adaptive capacity, Anticipation, Maturity).
— Summer Camp Director (South of France), Management of 90 children and a team of 12 animators, organization of the trip, the food menus and all the partners. French Camp director certificated to "BAFAD".
— Summer Camp Counselor (Spain)

━━━ Awards and Achievements

June 2018 **Data Scientist Competitor**, *FRENCHDATA*, (Speed and Efficiency).
Competition to create the best predicted model that estimates the time lapse to sell an Emmaüs product. 15 variables. 74th place out of 350 data scientists. Python

April-May 2020 **Deep Learning Specialization**, *COURSERA*.

━━━ Language Skills and Interests

Languages, English and Spanish (Professional Working Proficiency), Chinese and Russian (Beginner).
Dance, Breakdance (2007-2014), Cuban Salsa and Dance House (2016 – present).
Interests , Acrylic painting, Music production, vinyl collector, .