

Education

- 2020-2021 **MSc ATIAM**, *Acoustics Research Institute @IRCAM Paris, France*.
Focus : 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*.
Focus : 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 Focus : 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 **Data Scientist Intern on Tiny AI**, *SONY : Computer Science Lab, Paris*, Developed generative models on embedded devices. Implemented distillation and pruning techniques for compression of deep learning models..
- May – October 2019 **Data Scientist Intern**, *CAPGEMINI : SOGETI TECH LAB, Paris*, Worked with Scrum Agile methodology in the Data/AI cluster. Completed a research project in natural language processing (Spacy, BERT, StanfordNLP) for entity recognition and automatic summary..
- January – June 2018 **Sound Engineering Assistant**, *STUDIO CERCLE ROUGE PARIS*, (Fast-learner).
Worked as an assistant in production to two French producers specialised in Film score. Set up recordings, helped mix the sounds, contributed ideas in the project.
- July 2014, 2016, 2017 **Summer Job**, *Association Yaniv*, (Adaptive capacity, Anticipation, Maturity).
— Summer Camp Director (South of France), Managed 90 children and a team of 12 animators, organized 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*.
Competed 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*.
- August 2020 **Capgemini Hackathon - Innovative Medical App**, Achieved 2nd place with a Smart Medicine Mobile App.

Language Skills and Interests

Languages, French, 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, .