

## Work Experience

- April 2021 - present **SONY : Computer Science Lab Paris** *Data Scientist Intern on Tiny AI.*  
— Developed generative models on embedded devices  
— Implemented distillation and pruning techniques for compression of deep learning models
- May – October 2019 **Capgemini : Sogeti Tech Lab Paris** *Data Scientist Intern.*  
— 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 **Studio Cercle Rouge Paris** *Sound Engineering Assistant.*  
— Produced music with two well-known French producers who specialize in film score  
— Set up recordings, helped mix the sounds, contributed ideas in the project
- July 2014, 2016, 2017 **Association Yaniv Europe** *Summer Camp Director and Counselor.*  
— As director, managed 90 children and a team of 12 counselors as well as organized the program, the food menus, and all the partners. Certified to BAFA and BAFAD (South of France)  
— Summer Camp Counselor (Spain)

## 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** Microsoft Office, Adobe, Ableton, ProTools

## Education

- 2020-2021 **IRCAM (Research Institute for Computer Music and Acoustics)** *MSc ATIAM, Paris.*  
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 **École Polytechnique and Sorbonne University** *MSc Mathematical Modelling and Machine Learning, Paris.*  
Focus : Mathematical Methods in Biology, Stochastic Calculus, Mathematical Methods for Neurosciences Cloud Computing, ML and Neural Networks, GPU Based Parallel Programming.
- 2014-2017 **Sorbonne University and UPMC** *Bachelor in Applied Mathematics (Graduated with honors), Paris.*  
Focus : Statistics, Probability Theory, Partial Differential Equations (Python) Statistical computing in Rstudio, C++ programming.

## 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.  
— Placed 74th out of 350 data scientists 15 variables (coding on 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