

Théo Gigant

Multimodal Deep Learning
PhD student

Paris, France
✉ theo.gigant@l2s.centralesupelec.fr
📄 [giganttheo.github.io](https://github.com/giganttheo)
HuggingFace: [gigant](#)

Education

- 2022–Ongoing **Université Paris-Saclay / Centrale Supélec - L2S,**
Signal Processing, PhD.
Representation of encoded features for extractive and abstractive summarization of multimodal content. Under the supervision of Frederic DUFAUX and Camille GUINAUDEAU
- 2018–2021 **Institut Polytechnique de Paris - Télécom SudParis,**
Statistical Modeling, Master of Science.
Applied Mathematics, Deep Learning

Experiences

- Jul 2022–Ongoing **PhD Student**, JUSTAI, PARIS.
CIFRE Fellowship
 - Research on automatic multimodal summarization of videoconference records using deep learning methods
 - Building machine learning pipelines for real world applications, in various topics such as computer vision, natural language processing and recommender systems
- Jan 2022–Jun 2022 **Machine Learning Engineer**, FREELANCE, PARIS.
 - Implementing computer vision models for real world applications, teaching deep learning classes, contributing to open source projects & writing blog posts on Deep Learning topics
- Jul 2021–Dec 2021 **Computer Vision Research Intern**, HUAWEI R&D CENTER, HELSINKI.
Part of the Research & Development Computer Vision unit
 - Developing and training deep learning models for Computer Vision and Multimodal applications
 - Writing scripts for distributed training over 8 GPUs in Pytorch
- Feb 2021–Jun 2021 **Machine Learning Engineer Intern**, JUSTAI, PARIS.
- Jul 2019–Aug 2019 **Machine Learning Research Intern**, ARTEMIS LAB, TÉLÉCOM SUDPARIS, EVRY.

Projects

- Dec 2022 **Romanian Whisper [Model]**, *HuggingFace*.
- Apr 2022–May 2022 **Open source datasets contributions [Org]**, *BigScience*, BioMedical Hackathon.
- Apr 2022–May 2022 **WikiArt Diffusion Mini [Project]**, *HuggingFace & Paperspace*, HugGAN Sprint.
- Jan 2022– Feb 2022 **State-Of-The-Art Romanian Speech Recognition [Model]**, *HuggingFace & OVHCloud*, Robust Speech Recognition Challenge.
- July 2021 **T5-VAE [Demo]**, *HuggingFace & Google Cloud Platform*, JAX/Flax Community Week.

Publications

- September 2023 **TIB: A Dataset for Abstractive Summarization of Long Multimodal Videoconference Records**, *20th International Conference on Content-based Multimedia Indexing*, 2023.

Skills

- Deep Learning Multi Modal, Natural Language Processing, Computer Vision, Speech Recognition & Graphs
Languages Python (JAX/Flax, PyTorch, TensorFlow), Bash, SQL, Java
Spoken Languages French (native), English (Full professional proficiency : 990/990 TOEIC), Spanish (Notions)

Certifications

- Aug 2023 **Hugging Face Audio Course - Certificate of Excellence [Certificate]**, *Hugging Face*.
- Jul 2022 **Effective MLOps - Model Development [Certificate]**, *Weights & Biases*.
- Mar 2022 **Introduction to JAX and Deep Learning [Certificate]**, *Educative.io*.
- Oct 2020 **GAN Specialization [Certificate]**, *DeepLearning.ai*.