

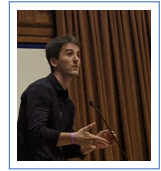
Edouard Yvinec

AI/ML Researcher

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Academic Cursus

- 2020 – 2023 **AI/ML Ph.D.**, Sorbonne Université & Datakalab, on Deep Neural Networks Compression
RFIAP best Ph.D thesis award winning
- 2019 – 2020 **Master in Applied Mathematics**, ENS Paris-Saclay
passed with highest honour

Work Experience

- Google **Research Scientist**, 2024 –
content cannot be disclosed
- Apple **Senior ML engineer**, 2023 – 2024
content cannot be disclosed
- Datakalab **Lead Researcher**, 2020 – 2023
Implementation and design of state-of-the-art AI compression techniques. These techniques were applied to tiny ML as well as GenAI models. This work led to the acquisition of the company by Apple.
- Centrale-Supelec **Lead Instructor**, 2021 – on going
Teaching applied mathematics concepts for AI and data science to last year students (M2)
- Epita **Lead Instructor**, 2022 – on going
Teaching deep learning (CNNs, Transformers, MLP-mixers,...) to last year students (M2)

Notable Scientific Publications

- Quantization JLCM (**ICLR 2024**), PowerQuant (**ICLR 2023**), REx (**NeurIPS 2023**), Non-uniform quantization training (**under review at TPAMI**), SPIQ (**WACV 2023**) and Quantization ensembling (**PR 2024**)
- Pruning RED (**NeurIPS 2021**), RED++ (**TPAMI**) and SInGE (**NeurIPS 2022**)
- Others Batch-normalization folding (**IJCAI 2022**)

Software Skills

python pypi packaging (ex: 📦), TensorFlow (ex: 📦), PyTorch (ex: 📦)
packages

HPC 4+ years experience using AWS, GCP and Jean-Zay computing resources. Also have some experience setting up server APIs

Others

- Languages French (native) and English (fluent, lived in the US)
- Management Supervised three internships on deep neural networks compression
- Organization Organization of the event NeurIPS in Paris 2022
- Popularization Science popularization through the R3EI journal (2022), TinyML conference (2023), French-German AI summit (2022) and Eurocae working group 114 (2022)