

Gonalo Mordido

✉ goncalomordido@gmail.com

🌐 <https://goncalomordido.github.io>

🐙 [GitHub](#)

🎓 [Scholar](#)

Work Experience

2022 – Now	Mila & Polytechnique Montreal (Canada) <i>Postdoctoral Fellow</i> <ul style="list-style-type: none">Efficient training [3, 5] and inference [4] of deep neural networks.Advise 7 Ph.D. students, 4 M.Sc. students, and 1 intern.Lead teaching assistant for 1 ML course and guest lecturer for another ML course.Advisors: Prof. Sarath Chandar Prof. Franois Leduc-Primeau
2017 – 2021	Hasso Plattner Institute (Germany) <i>Research Associate</i> (4 years) <ul style="list-style-type: none">Diversification [8], compression [2], and evaluation [7] of GANs.Advised 3 M.Sc. students and 1 intern.Teaching assistant for 5 courses and guest lecturer for 1 course.
2020	NVIDIA (Germany) <i>Research Intern</i> (4 months) <ul style="list-style-type: none">Compression of convolutional neural networks for speech recognition [1, 6].Manager: Dr. Alexander Keller
2018 – 2019	NVIDIA (Germany) <i>Research Intern</i> (6 months) <ul style="list-style-type: none">Compression of deep neural networks using Monte Carlo methods [2].Manager: Dr. Alexander Keller

Education

2017 – 2021	Hasso Plattner Institute (Germany) <i>Ph.D. in Artificial Intelligence</i> <ul style="list-style-type: none">Grade: <i>Magna cum laude</i>Advisor: Prof. Christoph Meinel
2015 – 2017	NOVA University Lisbon (Portugal) <i>M.Sc. in Computer Science</i> <ul style="list-style-type: none">Grade: AAdvisors: Prof. Sofia Cavaco Prof. Joo Magalhes
2012 – 2015	NOVA University Lisbon (Portugal) <i>B.Sc. in Computer Science</i> <ul style="list-style-type: none">Grade: A

Honors & Awards

2022	Pre-selected for merit scholarship. <i>FRQ</i>
2021	Honors Ph.D. graduation. <i>Hasso Plattner Institute</i>
2020	Recognition award. <i>NVIDIA</i>
2015	Best final year B.Sc. project. <i>NOVA University Lisbon</i>

Patents

- [1] **Incorporating a ternary matrix into a neural network.** A. Keller, [G. Mordido](#), M. Keirsbilck. 2022.
- [2] **Representing a neural net utilizing paths within the network to improve a performance of the neural net.** A. Keller, [G. Mordido](#), N. Gamboa, M. Keirsbilck. 2019.

Selected Publications

- [3] **Deep learning on a healthy data diet: Finding important examples for fairness.** *AAAI'23*
A. Zayed, P. Parthasarathi, [G. Mordido](#), H. Palangi, S. Shabani, S. Chandar.
- [4] **Sharpness-aware training for accurate inference on noisy DNN accelerators.** *CoLLAs'22 WS, In submission.*
[G. Mordido](#), S. Chandar, F. Leduc-Primeau.
- [5] **Improving meta-learning generalization with activation-based early-stopping.** *CoLLAs'22*
S. Guioy, C. Pal, [G. Mordido](#), S. Chandar.
- [6] **Compressing 1D time-channel separable convolutions using sparse random ternary matrices.** *INTERSPEECH'21*
[G. Mordido](#), M. Keirsbilck, A. Keller.
- [7] **Mark-Evaluate: Assessing language generation using population estimation methods.** *COLING'20*
[G. Mordido](#), C. Meinel.
- [8] **microbatchGAN: Stimulating diversity with multi-adversarial discrimination.** *WACV'20*
[G. Mordido](#), H. Yang, and C. Meinel.

Selected Talks

- | | |
|------|--|
| 2022 | Sharpness-aware training for robust DNNs. <i>Mila Efficient neural architecture search. Poly MTL</i> |
| 2021 | Compression methods for neural networks. <i>MIT CSAIL Convolutions by random ternary matrices. GTC'21</i> |

Selected Activities

- | | |
|------------|--|
| 2022 – Now | Co-organizer. <i>Workshop on Hardware-Aware Efficient Training (ICML'22), Conference on Lifelong Learning Agents (CoLLAs'22), Chandar Research Lab Symposium at Mila (CRL'22).</i> |
| 2017 – Now | Reviewer. <i>ICML'22 WS, EMNLP'21, EACL'21, CVPR'21, Knowledge-Based Systems, ACL'20, EMNLP'20, WACV'20, ICIS'19, Neural Computing & Applications, IEEE Access'18, Big Data'17.</i> |

Selected Skills

Python (PyTorch, TensorFlow, NumPy), C++