

Gonalo Mordido

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🌐 <https://goncalomordido.github.io>

🐙 [GitHub](#)

🎓 [Scholar](#)

Work Experience

2022 – Now	Mila - Quebec AI Institute (Canada) <i>Postdoctoral Fellow</i> <ul style="list-style-type: none">Efficient training [3, 5] and inference [4] methods for deep neural networks.Mentored a total of 7 Ph.D. students, 5 M.Sc. students, and 1 intern.Awarded FRQ's <i>postdoc merit scholarship</i>.Advisors: Prof. Sarath Chandar Prof. Franois Leduc-Primeau
2017 – 2021	Hasso Plattner Institute (Germany) <i>Research Associate</i> (3 years and 10 months) <ul style="list-style-type: none">Diversification [8], compression [2], and evaluation [7] methods for GANs.Mentored 7 M.Sc. students and 1 intern.Graduated with <i>great distinction</i>.Advisor: Prof. Christoph Meinel
Fall 2020	NVIDIA (Germany)
Fall 2018	<i>Research Intern</i> (10 months total) <ul style="list-style-type: none">Compression of neural networks [1, 2, 6].Awarded a <i>recognition award</i> for "exceptional and outstanding contributions".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>
2015 – 2017	NOVA University Lisbon (Portugal) <i>M.Sc. in Computer Science & Engineering</i> <ul style="list-style-type: none">Grade: A
2012 – 2015	NOVA University Lisbon (Portugal) <i>B.Sc. in Computer Science & Engineering</i> <ul style="list-style-type: none">Grade: ABest final year project.

Honors & Awards

2023	Postdoc merit scholarship. <i>Fonds de Recherche du Qubec</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>
2015	1st place hackathon winner. <i>NOVA University Lisbon</i>

Teaching

Fall 2022	Machine Learning. <i>Lead TA, Poly MTL</i>
Winter 2022	Neural Networks. <i>Guest Lecturer, Poly MTL</i>
2017 – 2020	Deep Learning. <i>TA, Hasso Plattner Institute</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. Shabanian, S. Chandar.
- [4] **Sharpness-aware training for accurate inference on noisy DNN accelerators.** *CoLLAs'22 WS, Edge Intel. WS*
[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 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>ACL'23, 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>
2017 – Now	Invited speaker. <i>Mila (2022), MIT CSAIL (2021), UBC (2021), GTC (2021), OpenHPI (2021), SAP TechEd (2017).</i>

Selected Skills

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