

# HENRIQUE DONÂNCIO PH.D.

(+33) 7 66 78 72 38  
henriquedonancio@gmail.com  
<https://hdonancio.gitlab.io/>

PROFESSIONAL EXPERIENCE	<ul style="list-style-type: none"><li>• <b>Postdoctoral Researcher, Inria Grenoble Alpes</b> 2023–2025 Supervisor: Florence Forbes<ul style="list-style-type: none"><li>– Research on reinforcement learning, meta-learning, and optimization under non-stationarity.</li><li>– Development of adaptive learning-rate methods for deep reinforcement learning.</li><li>– Co-supervision of undergraduate and graduate students.</li><li>– Reviewer for major machine learning conferences.</li></ul></li></ul>
EDUCATION	<p><b>Department of Informatics, INSA Rouen Normandie</b> Rouen, France <i>Ph.D. Computer Science</i> 2019–2023</p> <ul style="list-style-type: none"><li>• Supervisor: Laurent Vercoeur</li><li>• Research area: Reinforcement Learning</li></ul> <p><b>Department of Computer Science, University of São Paulo</b> São Paulo, Brazil <i>M.Sc. Computer Science</i> 2017–2019</p> <ul style="list-style-type: none"><li>• Research area: Computer Networks and Multi-Agent Systems</li></ul> <p><b>Department of Engineering, University of Rio Grande</b> Rio Grande, Brazil <i>B.Sc. Computer Engineering</i> 2011–2017</p> <ul style="list-style-type: none"><li>• Research area: Fuzzy Logic and Multi-Agent Systems</li></ul>
SELECTED PUBLICATIONS	<ol style="list-style-type: none"><li>1. Mathis Antonetti, <b>Henrique Donâncio</b>, Florence Forbes. An Analysis of Distributional Reinforcement Learning with Gaussian Mixtures. <i>Transactions on Machine Learning Research (TMLR)</i>, 2026.</li><li>2. <b>Henrique Donâncio</b> and Laurent Vercoeur. Safety through Intrinsically Motivated Imitation Learning. <i>ALA@AAMAS</i>, 2022.</li><li>3. <b>Henrique Donâncio</b>, Antoine Barrier, Leah F. South, Florence Forbes. Dynamic Learning Rate for Deep Reinforcement Learning: A Bandit Approach. <i>arXiv</i>, 2024.</li><li>4. <b>Henrique Donâncio</b>, Laurent Vercoeur, Harald Roelawski. The Pump Scheduling Problem: A Real-World Scenario for Reinforcement Learning. <i>arXiv</i>, 2022.</li></ol>
RESEARCH VISITS	<p><b>Queensland University of Technology   Brisbane, Australia</b> 2024.05–2024.06</p> <ul style="list-style-type: none"><li>• Meta-learning approaches for adaptive learning-rate selection.</li><li>• Host: Leah F. South</li></ul> <p><b>King’s College London   London, United Kingdom</b> 2022.07–2022.08</p> <ul style="list-style-type: none"><li>• Transfer learning for tasks with distinct state and action spaces.</li><li>• Host: Matteo Leonetti</li></ul>
SELECTED PROJECTS	<p><b>Post-training a Mixture-of-Experts Language Model with Reinforcement Learning</b></p> <p>Designed and documented a complete reinforcement-learning post-training pipeline for a Mixture-of-Experts language model, including supervised fine-tuning, reward design, policy-gradient optimization, evaluation, and expert-routing analysis.</p> <p>Project page</p>

TEACHING EXPERIENCE *STP1 – Algorithms and Structured Programming*  
INSA Rouen Normandie  
*PCS3110 – Algorithms and Data Structures for Electrical Engineering*  
Polytechnic School of the University of São Paulo

SKILLS  
**Research Areas:** Reinforcement Learning, Multi-Agent Reinforcement Learning, Meta-Learning, Continual Learning, Deep Learning.  
**Programming:** Python, JAX, Java, C, MATLAB, Prolog.  
**Frameworks:** PyTorch, TensorFlow, Scikit-Learn.  
**Scientific Computing:** Linux, Git, Docker, Slurm, High-Performance Computing (HPC).  
**Languages:** Portuguese (native), English (fluent), French (fluent).

ACADEMIC SERVICES  
**Reviewer:** ICLR 2024, 2026; ACML 2024; AutoRL@ICML 2024, AutoRL@RLC 2026.  
**Scientific Advisory Committee Member:** Claire Berner (Sorbonne University / Paris Brain Institute).  
**Co-supervision:** Mathis Antonetti (currently Ph.D. student at Inria Nancy).