Erwan Lecarpentier

PhD

+336 38 38 63 71	Education	
erwanlecarpentier @mailbox.org erwanlecarpentier @github.io	PhD in Computer Science ONERA (The French Aerospace Lab) and ISAE-SUPAERO (Institut Supérieur de l'Aéronautique et de l'Espace), Toulouse (France). Reinforcement Learning in Non-Stationary Markov Decision Processes, advised by Prof. Emmanuel Rachelson and Dr. Guillaume Infantes.	2016–2020
	Exchange year Graduate student, University of Stuttgart (Germany). Reinforcement Learning, Machine Learning, Robotics and Computer Vision.	2015–2016
	French engineering school (~ Master's degree) ISAE-SUPAERO (Institut Supérieur de l'Aéronautique et de l'Espace), ENSICA program, Toulouse (France). Control Theory, Optimization, Statistic, Applied Mathematics, Programming, Mechanical Engineering, Fluid Mechanics.	2013–2015
	French preparatory class Saint-Brieuc (France), A+. Leading to competitive exam for entry to Graduate Engineering Schools. Advanced theoretical Mathematics, Physics and Engineering Sciences.	2011–2013
	Baccalaureate Lamballe (France), A+ with distinction. Equivalent to A level, with specialization in Mathematics.	2009–2011
	Experience	
	Postdoc at REVA Team, Université de Toulouse (France). Solving Atari games with interpretable Cartesian Genetic Programming with Hervé Luga, Sylvain Cussat-Blanc, and Dennis G. Wilson.	2021-today
	Visiting PhD student at Brown University, Providence (USA). Research project in Lifelong Reinforcement Learning, with Prof. Michael L. Littman and PhD students David Abel, Kavosh Asadi, and, Yuu Jinnai.	2019 (4 months)
	Visiting graduate student at University of Stuttgart. Research internship in Reinforcement Learning, with Dr. Marc Toussaint, MLR (Machine Learning & Robotics Lab). Optimal control on a real-world robot; optimization using Reinforcement Learning algorithms (Policy Search, Bayesian Optimization, LSPI, etc.)	2016
	Research internship in Statistic, ENAC, Toulouse (France). Statistical modelling of the air-travel market and airline behavior.	2015 (2 months)

Publications		
Lipschitz Lifelong Reinforceme Erwan Lecarpentier, David Ab Rachelson, and Michael L. Lit AAAI, 2021.	el, Kavosh Asadi, Yuu Jinnai, Emmanuel	2021
Non-Stationary Markov Decisi Model-Based Reinforcement L Erwan Lecarpentier and Emma NeurIPS, 2019.	•	2019
Open Loop Execution of Tree- Erwan Lecarpentier, Guillaume Rachelson. IJCAI, 2018.	-Search Algorithms. e Infantes, Charles Lesire, and Emmanuel	2018
Autonomous Soaring. Erwan Lecarpentier, Sebastian Rachelson. JFPDA, 2017.	earning Algorithm for Model-free	2017
Teaching Experience		
Primary Instructor	Algorithms Complexity, ISAE-SUPAERO. Python Programming, ISAE-SUPAERO.	2018-2019
Teaching Assistant	Reinforcement Learning, ISAE-SUPAERO. Machine Learning, ISAE-SUPAERO. Optimization, ISAE-SUPAERO. Graph Theory, ISAE-SUPAERO.	2021 2018-2019 2019
Awards		
Best PhD thesis award – Fond	dation ISAE-SUPAERO	2020
Languages		
French English German (B1+)	Mother tongue Proficient working English Enthusiastic beginner	
Trivia		
Playing guitar and bass guitar	, member of a music band.	2013–
President of the student association N6Kn'Sat. Student project: development, conception and launching of mini-satellites; collaboration with students of the Aerospace School SSAU (Russia).		
-	n in the student office of ISAE-SUPAERO iication media; management of events.	2014
Graphic designer for the French air show "Airexpo", Toulouse (France).		