homepage:	joaoloula.g	ithub.io	email:	joao.cam	pos-loula	a@polyte	echnique	.edu
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EDUCATION	PhD in Brain and Cognitive Sciences Massachusetts Institute of Technology	2018-			
	MSc in Applied Mathematics and Computer Science École Normale Supérieure Paris-Saclay	2017-2018			
	Ingénieur Polytechnicien in Applied Mathematics and Computer S (BSc and MSc equivalent) École Polytechnique	<i>cience</i> 2015-2017			
	BSc in Electrical Engineering (interrupted to attend École Polytechnique) Universidade de São Paulo	2013-2014			
PUBLICA- TIONS	Loula, J., Baroni, M., Lake, B. Rearranging the Familiar: Testi sitional Generalization in Recurrent Networks. In review.	ng Compo-			
	Tsividis, P.A., Loula, J ., Burga, J., Pouncy, T., Gershman, baum, J. B. Human Learning of Video Games. NIPS Workshop Informed Artificial Intelligence (Spotlight Talk), 2017.				
	Loula, J., Thirion, B., Varoquaux, G. Decoding fMRI activity domain improves classification performance. NeuroImage, 2017.	in the time			
	Huntenburg, J. M., Abraham, A., Loula, J., Liem, F., Dadi, K., Varoquaux, G. Loading and plotting of cortical surface representations in Nilearn. Research Ideas and Outcomes, 2017.				
RESEARCH EXPERIENCE	 Facebook AI Research Supervisors: Brenden Lake, Marco Baroni Work on probing compositionality in neural networks, studyi perties of compositional generalization in both linguistic and dels. 	2018 ng the pro- visual mo-			
	Workshop paper in reviewPublication in working				

Harvard University, Massachusetts Institute of Technology2017Supervisors: Samuel Gershman, Joshua Tenenbaum2017

	• Work on human-level learning in Atari-like games, learning theories from gameplay and using them to plan in a model-based manner.				
	 Paper selected for Spotlight Talk at NIPS workshop 				
	– Publication in review				
	 Parietal Team, Inria Supervisors: Bertrand Thirion and Gaël Varoquaux Developed and implemented a novel approach to decoding fM the time domain using machine learning. 	2016 El Varoquaux vel approach to decoding fMRI data in earning.			
	– Published paper				
	 Created a toolbox for algorithm implementation 				
	• Contributed actively to Nilearn, the team's open-source packa chine learning on brain data (Parietal is the creator of many l open-source projects, notably Scikit-learn and Joblib).	open-source package for ma- e creator of many high-profile and Joblib).			
	 Mathematical Neuroscience Team, Collège de France Supervisor: Jonathan Touboul Performed analysis and mathematical modeling of orientation in the cat early visual cortex. 	2015-2016 1 map data			
	• Implemented an Artificial Neural Network to model early vis structure.	sual cortex			
TALKS	Nilearn Tutorial, Brainhack Vienna	2016			
AWARDS	Eiffel Excellence Scholarship	2015-2017			
TEACHING EXPERIENCE	English Tutor, École Polytechnique de Paris Linear Algebra Review Classes Universidade de São Paulo	2015-2016 2014			
OTHER	Technical blog containing neuroscience, machine-learning and math projects: joaoloula.github.io; Code: github.com/joaoloula				
TECHNOLOGY	Programming Languages: Python, R, C++, MATLAB				

SUMMARY Others: Unix, Git, LATEX