João Loula

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EDUCATION	*MSc in Applied Mathematics and Computer Science* École Polytechnique de Paris	2015-
	BSc in Electrical Engineering Universidade de São Paulo	2013-

RESEARCH EXPERIENCE

Parietal Team, Inria-CEA — Palaiseau, France — Summer 2016
- Use of machine learning to capture temporal noise structure in decoding of fMRI data.

Mathematical Neuroscience Team, Collège de France — Paris, France — 2015-2016
- Performed analysis and mathematical modeling of orientation map data in cat early visual cortex.
- Implementation of an Artificial Neural Network to model early visual cortex structure.

French Aerospace Lab, ONERA — Palaiseau, France — 2015-2016
- Developed a biometric face-verification system using Artificial Neural Networks.
- Working on a paper using Convolutional Neural Networks for tracking of objects by a drone.

TEACHING EXPERIENCE

English Teacher Assistant, *École Polytechnique de Paris*	2015-2016
Linear Algebra Review Classes *Universidade de São Paulo*	2014

AWARDS

Eiffel Excellence Scholarship	2015-2017

TECHNOLOGY SUMMARY

Programming Languages: Python, MATLAB, LaTeX
Others: Unix, Git