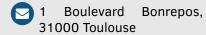
Thalita F. Drumond

PhD student in artificial intelligence



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Brazilian

linkedin.com/in/thalitadrumond/en

github.com/thalitadru gitlab.inria.fr/tfirmodr

Programming –

⟨/> Python 2/3 ● ● ● ●

Numpy, Scipy

Pandas, Matplotlib

Scikit-learn, Tensorflow, PyTorch

</> Matlab

</> C/C++

</>
Java, R 0 0 0

</>
HDLs 0 0 0

Other software tools Microsoft Office, Libre

delice, Google Docs, Latex

>_ Linux, Windows

Languages

Portuguese • •

English 105/120 TOELF iBT

(2010)

French Spanish 0 0 0 0

Interests

Teaching and education

Social impacts of AI

Dancing (jazz, contemporary)

Singing (choir, musical theather)

Experience

Attaché Temporaire d'Enseignement et Jan-Jun 2020 Université de Bordeaux, France Recherche (ATER)

96h of teaching for computer science students (L1). Courses: Array algorithms, Intro to databases and web programming. Continuation of

PhD research project.

2016-2019 PhD research project INRIA Bordeaux Sud-ouest, France

> Working on improving data-efficiency of deep learning models in computer vision taking inspirations from the visual cortex. Engaged in science outreach activities. Advisors: Dr. Frederic Alexandre and Dr.

Thierry Vieville.

2017, 2018 **Teaching assistant** Université de Bordeaux, France

- Lab sessions and excercises: Intro to algorithms and programing

(40h), Intro to computer networks (20h).

- Lectures on artificial neural networks and deep learning for Cognitive

Science MSc.(3h, 6h)

2014-2016 MSc research project FAPESP scholarship, Unicamp, Brazil

Co-clustering for collaborative filtering and brain time-series analysis.

Advisor: Prof. Dr. Fernando J. Von Zuben.

2012-2013 **Research Internship** CEA, Gif-sur-Yvette, France

Hardware assisted verification for the design of multi-core architectures. Supervisor: Dr. Caaliph Andriamisaina.

Education

2016-present PhD in computer science Université de Bordeaux

Expected defense date: November 2020.

MSc Electrical Engineering 2014-2016

GPA – 4/4. Sub-area: Computer Engineering. Specialized in computa-

tional intelligence and machine learning.

2011-2013 Diplôme d'ingénieur (M.Eng.) Télécom Parsitech, Paris, France

GPA - 15/20. Specialized in embedded systems and SoC design. Schol-

arships from Fondation Télécom (France) and CAPES (Brazil).

2008-2014 **BSc Electrical Engineering** Unicamp

GPA - 0.8189/1, Class rank - 9th/84. Course paused for a 2 years

double degree program in Télécom Paristech.

Publications

Bio-inspired analysis of deep learning on not-so-big data using data-2018

prototypes

T. F. Drumond, F. Alexandre and T. Vieville. Frontiers of Computational Neuroscience.

2017 Using prototypes to improve convolutional networks interpretability

T. F. Drumond, F. Alexandre and T. Vieville.

NIPS workshop on Transparent and interpretable Machine Learning in

Safety Critical Environments.

Ensemble for Collaborative Filtering based on Random Projections 2016

and Boolean Matrix Factorization

T. F. Drumond and F.J. Von Zuben.

IASTED International Conference on Intelligent Systems and Control.

Oral presentation.

2016 Obtaining functional dynamic brain networks with contiguous co-

clustering

T. F. Drumond F. J. Von Zuben, R. F. Casseb, L. C. T. Herrera, G. Castellano 3rd BRAINN Congress. Expanded abstracts published in Journal of

Epilepsy and Clinical Neurophysiology.