

Vincent ROGER

Data Scientist

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Education

University of Toulon

Phd, Learning models adapted for bioacoustic for cetaceans surveillance

Toulon
2016–new

Paul Sabatier University

Master Computer science, Artificial Intelligence, Pattern Recognition and Robotics

Toulouse
2013–2015

Paul Sabatier University

Licence Fondamental Computer Science

Toulouse
2013

IUT - Paul Sabatier University

Academic and technological diploma in Computer Science

Toulouse
2011

Work experience

LSIS - TVT Innovation

Study engineering teen months

Toulon
2015–2016

Model environmental bioacoustics using generative models. I wrote a report on narwhals (see [2]).

IRIT

Research Internship five mouths

Toulouse
2015

Compilation of Temporal Constraint Satisfaction Problem (TCSP) - application in temporal planning. Theoretical analyses and experiments on different representation of temporal languages. Internship done in ADRIA team. Write of [1].

LAAS

Internship four mouths

Toulouse
2014

Management of movements of humanoids, represent articulation, bodies and position of the robot. Results: modernized tool for task management. Internship done in GEPETTO team.

IRIT

Internship two mouths

Toulouse
2013

Production of a software for automatic transcription (in real time) of audio-video content (multiple flux). Results: The tools was used for demonstrations of the SAMOVA techniques. Internship done in SAMOVA team.

CEICOM

Internship two mouths and a half

Toulouse
2011

Porting an inter-machine communication tool between applications from Windows to Linux system. Results: porting done with strategic impact.

Skills

Data scientist skills.....

- Decissional system
- Supervised, non supervised and semi-supervised learning
- Clustering
- Neural nets
- Mixture of models
- Signal processing (images and sounds)

Management skills.....

- Collaborative work
- Respect of due times
- Risk management

Linguistiques.....

- French ● ● ● ● ●
- English ● ● ● ● ○

Hobbies

Sport: Running and bodybuilding, ran the marathon of Toulouse.

Series and films: I love comics and thrillers.

Music: I love Australian hip-hop and rap.



Publications

FARGIER, H., MARIS, F., AND ROGER, V. Temporal constraint satisfaction problems and difference decision diagrams: A compilation map. In *27th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2015)* (Vietry sul mare, IT, 2015), IEEE, pp. pp. 429–436. Thanks to IEEE editor. The definitive version is available at <http://ieeexplore.ieee.org> This papers appears in Tools with Artificial Intelligence. ISSN : 1082-3409 The original PDF of the article can be found at: <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7372167&tag=1>.

HERVE, G., BARTCUS, M., ROGER, V., CHAMROUKHI, F., JULIE, P., KIM, J., PASCALE, G., JENNIE, K., KRISTIN, W., AND LOUIE, P. Scaled unsupervised arctic bioacoustics: Joint narwhal call & click train indexing. *LSIS research Report, for Victoria University* (Jan. 2016).

Teaching

University of Toulon

Subtitute teacher in graph theory

I teach to 2 groups of bachelor students: SI (engineering sciences) and MIASHS (mathematics and informatic applications on humanities). It represents 8h of tutorial class and 42h of practical class. I participate in the redaction of the tutorial and practical classes.

Toulon

2017