Vincent ROGER

Data Scientist

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✉ 1 Rue Saint-Dominique; 31000 Toulouse

Skills

Data scientist skills

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

Management skills

- Collaborative work
- Respect of due times
- Risk management
- Management Tools

Linguistic

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

Work experience

IRIT	**Toulouse**
PhD in progress	*2018–now*

Creating an Automatic System of Inteligibility Measurement (SAMI) to help following-up patients with oral cancer. Project linked to C2SI (Carcinologic Speech Severity Index Project). It involves usage of clinical data and use of recent machine learning algorithms.

LIS	**Toulon**
PhD two years, stopped before finished.	*2016–2018*

Learn models adapted to bioacoustic signals. Learned models adapted to classification of 1500 birds. Use of deep neural network and probabilistic model to learn embeddings of cetacean sounds (high dimentionality data).

LSIS - **TVT Innovation**	**Toulon**
Study engineering teen months	*2015-2016*

Model environmental bioacoustics using generative models. I wrote a report on narwhals.

IRIT	**Toulouse**
Research Internship five months	*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. Paper published at ICTAI.

LAAS	**Toulouse**
Internship four months	*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	**Toulouse**
Internship two months	*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	**Toulouse**
Internship two months and a half	*2011*

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

Education

Paul Sabatier University	**Toulouse**
Master Computer science, Artificial Intelligence, Pattern Recognition and Robotics	*2013–2015*

Paul Sabatier University	**Toulouse**
License Fondamental Computer Science	*2013*

IUT - Paul Sabatier University   **Toulouse**
Academic and technological diploma in Computer Science   *2011*

Teaching

University of Toulon   **Toulon**
Substitute teacher in machine learning basis   *2018*
I teached to master students in software development. It represents 8h of pratical class. I created the courses on simple tasks (mnist and bird sounds) using tensorflow framework.

University of Toulon   **Toulon**
Substitute teacher in basic algorithmic   *2017–2018*
I teached to bachelor students in engineering sciences. It represents 8h of tutorial class.

University of Toulon   **Toulon**
Substitute teacher in graph theory   *2017-2018*
I teached to bachelor students in engineering sciences. It represents 12h of tutorial class and 57h of pratical class. I participated in the redaction of the tutorial and practical classes.

Hobbies

Sport: Bodybuilding and running (ran the marathon of Toulouse).

Series, films and Manga: I love comics series and movies, but also japanese manga.

Music: I love Australian hip-hop and rap.