

# Paul GAY

*Machine learning engineer*

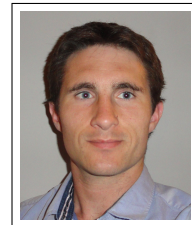
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<https://paulgay.github.io/>

Born in France, 1988



## Education

- 2014 **Phd thesis**, *Audiovisual person indexing in broadcast news..*  
In the context of the news content understanding projects EUMSSI and QUAERO. Keywords: conditional random fields, face and speaker identification and clustering
- 2011 **Master degree: Multimedia Information Processing System (STIM)**, *university of Rouen, France.*
- 2011 **Master degree of electrical engineering: Information System Architectures (ASI)**, *Institut National des Sciences Appliquées (INSA), Rouen, France.*

## Experiences

### Professional

- 2016-2018 **Post-Doc**, *VGM-IIT*, Genova, Italy.  
Combinations of Probabilistic models and deep learning techniques. Applications: relation detections, 3D reconstruction. Start-up.
- 2014-2015 **Teaching assistant (ATER)**, *LIA*, Avignon, France.  
Teaching activity: various classes in computer sciences (programming, distributed architectures...).  
Research activity: video series summarization. In C++.
- 01/2013-06/2013 **Research assistant**, *LIUM*, Le Mans, France.  
Maintenance of speech processing tools: documentation writing and technical assistance. In Java
- 02/2011-08/2011 **Research intern**, *Laboratoire Télécom Bretagne*, Lima, Peru.  
Acoustic Image classification: Application to anchovy schools. In Matlab.

## Skills

- Programming: Python, C/C++, Java, Matlab. Web: Php, J2EE, SOA.
- Research fields: face and speaker identification, Probabilistic models, Computer vision.

## Langues

French (mother tongue), English, spanish, Italian. Proficient level, except with Italian writing.

## Miscellaneous activities

HandBall, Rugby, Guitar.

## Publications

Google scholar profile:

<https://scholar.google.fr/citations?user=TwBT4HEAAAAJ&hl>

Comparison of Two Methods for Unsupervised Person Identification in TV Shows. IEEE International Workshop on Content-Based Multimedia Indexing (CBMI). Paul Gay, Grégor Dupuy, Jean-Marc Odobez, Meignier Sylvain and Paul Deléglise, 2014

A conditional random field approach in broadcast news using overlaid texts. IEEE International Conference on Image Processing (ICIP), Paul Gay, Elie Khoury, Sylvain Meignier, Jean-Marc Odobez, and Paul Deléglise, 2014

A conditional random field approach for audio-visual people diarization. IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP). Paul Gay, Elie Khoury, Sylvain Meignier, Jean-Marc Odobez, and Paul Deléglise, 2014

Fusing matching and biometric similarity measures for face diarization in video. ACM International Conference on Multimedia Retrieval (ICMR). Elie Khoury, Paul Gay and Jean-Marc Odobez, 2013

An Open-source State-of-the-art Toolbox for Broadcast News Diarization. International Speech Communication Association (INTERSPEECH). Mickaël Rouvier, Grégor Dupuy, Paul Gay, Elie Khoury, Teva Merlin and Sylvain Meignier, 2013

Bags-of-Features for fish school cluster characterization in pelagic ecosystems: application to the discrimination of juvenile and adult anchovy (*Engraulis ringens*) clusters off Peru. Canadian Journal of Fisheries and Aquatic Sciences. Ronan Fablet, Paul Gay, Salvador Peraltilla, Cecilia Peña, Ramiro Castillo and Arnaud Bertrand, 2012