

Paul GAY

Machine learning engineer

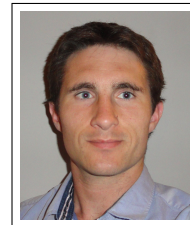
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<https://paulgay.github.io/>

Born in France, 1988



Education

- 2014 **Phd thesis**, *Audiovisual person indexing in broadcast news..*
Context: news content understanding projects EUMSSI and QUAERO. **Technical topics:** 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: relationship detection, 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, Alpinisme, Water color painting.

Selected Publications

Google scholar profile:

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

Visual Graphs from Motion (VGfM): Scene understanding with object geometry reasoning. Asian Conference on Computer Vision (ACCV). Paul Gay, Stuart James, Alessio Del Bue. 2018

Probabilistic structure from motion with objects. International Conference on Computer Vision (ICCV). Paul Gay, Vaibhav Bansal, Cosimo Rubino, Alessio Del Bue. 2017

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

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