

Olivier Mangin

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EDUCATIONAL INFORMATION

- 2010 – 2014 **Flowers team, INRIA Bordeaux Sud-Ouest & Université de Bordeaux**
PhD, *The emergence of multimodal concepts: from perceptual motion primitives to grounded acoustic words*, under the supervision of Dr. Pierre-Yves Oudeyer. Followed by a six month postdoctoral position.
- 2009 – 2010 **École normale supérieure de Cachan**
Master *Mathematics, vision, learning* (MVA), specialized in machine learning.
- 2006 – 2010 **École polytechnique, Palaiseau** (one of France's leading schools of science and engineering).
Applied in computer science.
- 2003 – 2006 **Lycée Janson-de-Sailly, Paris** and then **Lycée Sainte-Geneviève, Paris**
"Classes préparatoires" (Intensive preparatory course). Studying mathematics and physics.
- 2003 Baccalauréat, equivalent of British A levels, with high distinction.

WORK EXPERIENCE

- 2015 – Present Postdoctoral associate – **Social robotics laboratory, Yale University**
Cognitive robotics and collaborative manufacturing, with Pr. Brian Scassellati.
- 2011 Exhibition – **Mathematics, a beautiful elsewhere, Fondation Cartier (Paris)**
I took an active part in the development of the Ergo-Robot project that was part presented during the exhibition.
- 2010 Research Internship – **Institut des systèmes intelligents et de robotique, UPMC (Paris VI)**
Four months, with Pr. Olivier Sigaud, *motor control with modern reinforcement learning*.
- 2009 Research internship – **Flowers team, INRIA Bordeaux Sud-Ouest**
Sixteen weeks, using bag-of-words method to discovery and learn sound invariants from speech.
- 2008 Blue-collar internship – **Damoiseau rhum factory (Le Moule, Guadeloupe)**
- 2006 Internship as an officer in the French paratroopers (height months).

LANGUAGES AND SKILLS

- Languages native **French**, fluent **English** (living in the USA), intermediate **German**
- Machine learning General machine learning, (inverse) reinforcement learning, matrix factorization
- Systems Advanced Unix mastering (system administration including web sites)
- Programming Python (and scientific tools), C (ACM ICPC 2008 regional contest), Java, Matlab, Haskell
L^AT_EX, Git, Web programming — Jango and Ruby on Rails (webmaster for student associations)
- Driving license **French B license**, since 2006

OUTSIDE INTERESTS

- Sport Various sailing competition in 2007–2012, sailing instructor experience (French A2C1 level)
Climbing, caving, bike, hiking, running (*Paris Marathon 2008*)
- Associations Various activities organization as student (school traditions, ski and speleology, movie projections).
- 1995 – 1999 Taking part in *Maîtrise des Hauts-de-Seine*, children choir for the Paris Opera.