

# Victor Lanvin

*PhD Student at IRIF*

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Date of birth: March, 19th 1993

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## Studies

- 2017– **PhD Student**, in *Computer Science at IRIF, Paris Diderot University*,  
Supervisor: Giuseppe Castagna.  
Subject: Gradual Typing with Union and Intersection Types
- 2016–2017 **L3 (Bachelor's degree)**, in *Physics at ENS Cachan*,  
Final mark: 13.97/20, 7th (out of 33) .
- 2015–2016 **M2 (second year of Master's degree)**, *MPRI at ENS Cachan*,  
Final mark: 16.26/20, 14th (out of 62).
- 2014–2015 **M1 (first year of Master's degree)**, *MPRI at ENS Cachan*,  
Final mark: 16.56/20, 6th (out of 18).
- 2013–2014 **L3 (Bachelor's degree)**, of *Computer Science at ENS Cachan*,  
Final mark: 15.5/20, 5th (out of 16).
- 2010–2013 **Prep class MPSI-MP\* (Mathematics and Physics)**,  
*Advanced three-year undergraduate program for competitive exams*,  
Lycée Henri Wallon, Valenciennes (France).
- 2009–2010 **Baccalauréat with honors**,  
*Lycée Henri Wallon, Valenciennes (France)*.

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## Publications

G. Castagna and V. Lanvin. Gradual typing with union and intersection types. In *ICFP '17, 22nd ACM SIGPLAN International Conference on Functional Programming*, sep 2017.

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## Awards

- 2017 **First Place Winner**, at the *ACM Student Research Competition (SRC) Grand Finals*.  
Subject: Gradual Typing for Set-Theoretic Types
- 2017 **First Place Winner**, at the *ACM Student Research Competition (SRC) at POPL 2017*.  
Subject: Gradual Typing for Set-Theoretic Types

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## Internships and other works

- 2017 **Undergraduate Internship in Physics**, at *IMCCE, Paris Observatory, France*,  
Supervisor: Nicolas Rambaux.  
Subject: Study of Binary Systems of Trans-Neptunian Objects
- 2016 **M2 Internship**, at *IRIF, Paris-Diderot University, France*,  
Supervisor: Giuseppe Castagna.  
Subject: Gradual Typing for Set-Theoretic Types
- 2015 **M1 Internship**, at the *RWTH team MOVES in Aachen, Germany*,  
Supervisor: Joost-Pieter Katoen.  
Subject: Verification of Pointer Programs, A Tool Comparison
- 2014 **Undergraduate Internship**, at the *LIFL team Biocomputing in Lille, France*,  
Supervisor: Joachim Niehren.  
Subject: Prediction methods for metabolic networks, for predicting gene knockouts, based on abstract interpretation.

2013 **TIPE (Prep class project for competitive exams).**

Subject: Neural networks for pattern recognition

2015– **Development of OGaml, *A fast and safe multimedia library for OCaml.***

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## Skills

Languages French (native), English.

Programming OCaml, C, C++, Scala, Python, Haskell, Prolog, Coq, ASM, Matlab, Fortran, HTML, CSS.

Office Unix systems & Windows, Latex, Microsoft Office.