

# Géraud Le Falher

Machine Learning enthusiast

## contact

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## languages

French: mother tongue  
English: fluent  
German & Finnish: notions

## programming

Python  
C/C++, Scheme, PHP,  
HTML/CSS, Javascript, SQL,  
LaTeX, C#, Haskell

## education

- 2012–2014 **Master** of Science Aalto University, Espoo, Finland  
*Machine Learning and Data Mining*  
Relevant courses covered various Machine Learning methods, Neural Networks, Deep Learning, Graph mining and algorithms, Natural Language Processing, Bioinformatics and Computer Vision (along with many concrete projects: db.tt/P55PpSNO). During my thesis, I collected a large Foursquare dataset and used it to learn a similarity metric between places across different cities.
- 2010–2012 **Bachelor** of Science in Engineering École Centrale, Nantes, France  
Relevant courses included Probability and Statistics, Scientific Computing, Algorithms and Programming, Web technologies
- 2008–2010 **Classe préparatoire** Lycée Clémenceau, Nantes, France  
a **2-year intensive program** preparing for the national competitive exams for entry to French Engineering Schools.

## experience

- Summer 2012 **Université Laval** Québec, Canada  
*Internship in virtual museology*  
In the Laboratory of Museology and Culture Engineering, I spent four months working on a ongoing project that aims to digitally capture and present a religious building. It involved 3D scanning, modeling, texturing, designing user interface, scripting interactions and dynamic content retrieval.  
It was an opportunity to:
  - Leverage various display devices to enhance user experience
  - Survey different methods of acquiring real world geometric data
- Summer 2011 **La Poste (French Mail Service)** Nantes, France  
*Internship in Information System department*  
This five week internship was the occasion to work around a very large information system which could cause various non-academic problems. I witnessed the resolution of a problem that affected thousands of people. This was a great illustration of the conservative procedures one must adhere to in order to resolve complex issues.  
I provided the following services:
  - Assisted the users by phone
  - Queried database to identify servers that required updates
- 1<sup>st</sup> semester 2011 **IBM** Nantes, France  
*Industrial project*  
This project was about *Cloud Computing*, a set of technologies and methodologies that enable companies to delegate software or hardware to internet based providers. With a team of 6 students, we learned about technical aspects of Cloud Computing and conducted a comparative market study.

## interests

science-fiction, creative writing, history, soccer, running