Géraud Le Falher

Machine Learning enthusiast

Contact

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Languages

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

Programming

♥ Python,
C/C++, HTML/CSS, Javascript, LaTeX

Interests

science-fiction, creative writing, soccer, running

education

2014– **PhD researcher** — INRIA Lille - Nord Europe, Villeneuve d'Ascq, France
Machine learning algorithms on signed graphs for link ranking and classification
During my PhD I attended the Machine Learning Summer School at Tübingen in July 2015.

2012–2014 **Master** of Science — Aalto University, Espoo, Finland
Machine Learning and Data Mining
Courses covered various Machine Learning methods, Neural Networks, Deep Learning, Graph mining and algorithms, Natural Language Processing, Bioinformatics and Computer Vision (along with many practical projects: goo.gl/KpzCgO). For my thesis, I collected a large Foursquare dataset and used it to learn similarity metrics between regions across cities.

2010–2012 **Bachelor** of Science in Engineering — École Centrale, Nantes, France
Relevant courses included Probability and Statistics, Scientific Computing, Algorithms and Programing, 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

1st semester 2016 **University Lille 3** — Lille, France
Teaching assistant
I taught a second-year Bachelor class on Data processing and first-year Master class on Web and Network.

1st semester 2014 **Aalto University** — Espoo, Finland
Research assistant
I did my thesis in the Data mining group under Prof. Aristed Gionis supervision.

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

1st 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.

publications

On the Troll-Trust Model for Edge Sign Prediction in Social Networks. **Géraud Le Falher**, Nicolò Cesa-Bianchi, Claudio Gentile and Fabio Vitale. In AISTATS, Fort Lauderdale, 2017.

Modeling Urban Behavior by Mining Geotagged Social Data. Emre Çelikten, **Géraud Le Falher**, and Michael Mathioudakis. In IEEE Transactions on Big Data 2016.

"What is the city but the people?" — Exploring Urban Activity using Social Web Traces. Emre Çelikten, **Géraud Le Falher**, and Michael Mathioudakis. In WWW Companion, Montreal, 2016.

Where Is the Soho of Rome? Measures and Algorithms for Finding Similar Neighborhoods in Cities. **Géraud Le Falher**, Gionis Aristides, and Michael Mathioudakis. In ICWSM, Oxford, 2015.