

Joseph Ghafari

46 Rue Eugène Janneton - 78140 Vélizy Villacoublay - France

✉ ghafari.joseph@gmail.com - ☎ +33 623 309 706 - www.josephghafari.com

Nationality French / **DOB** 15 May 1990

PROFILE

Dynamic and creative data scientist, graduated in 2013 with a Master's Degree in Information Technology and Business Intelligence, looking to enroll in a doctoral program on a Machine Learning related subject and more specifically on either or both of Artificial Neural Networks and Image Processing.

STUDIES

Ecole des Mines (part of "Groupe des Ecoles des Mines" and "Mines-Telecom Institute")
Joint Master's Degree - Double Major-Engineering & Management ("**Information Technology for Decision Support**").

Subjects: Artificial Intelligence, Software Technology, Mathematics, Business Intelligence, Physics, Sociology, Languages, Finance & Logistics.

Equivalency with a Master of Research in Machine Learning.

Sept.2009 – August 2013

Diploma (on-line): « Neural Networks for Machine Learning » course of **Geoffrey E. HINTON** (Department of Computer Science – University of Toronto).

Oct.2012 – December 2012

3 Years of Undergraduate Studies – Highly Selective Classes to prepare for the competitive exams to Engineering schools - *Lycée Raspail, Paris*

Sept.2006 – June 2009

French high-school diploma (Equivalent to A Levels) - Sciences & Mathematics - Graduate with Honours - *Saint Thomas de Villeneuve Institute (France)*

June 2006

EXPERIENCE

WORK EXPERIENCE:

Cofounder & CTO at **Clother** (Paris) – In charge of R&D and all technical aspects of the company. The technical stack includes web & mobile development, server-side programming and implementation of machine learning algorithms for product matching, recommendations, as well as image classification.

November 2014 – present

Freelance Data Scientist

- Kudoz - Helped an early stage startup jumpstart the machine learning backbone of their business.
- Clustaar - Developed a web dashboard and back office for a clustering based SEO data analysis tool.

November 2013 – present

Research Internship at **ORANGE LABS** (France) – Botnet detection and traffic classification using Machine Learning models on DNS data. Implemented state-of-the-art Neural Networks algorithms and developed novel models and algorithms to be tested on the DNS dataset.

February 2013 - August 2013

PROJECTS & INTERNSHIPS @ Ecole des Mines - France

International internship at **SCHNEIDER BROTHERS & PARTNERS** (London) – Improving & Securing the Group Internet website, setting up a local network and a file server.

May 2012 – August 2012

International internship at FBG-LLC (Dubai) – Development of software allowing a better management of company files.

May 2011 – August 2011

Project Leader - Design and creation of a “multi-platform” mobile application allowing ad-hoc communication between the two different Operating Systems (iOS and Android).

2011

Internship at WINDELA S.A. - Constitution of a Market feasibility study about advertising panels using low consumption solar or wind-powered lighting solutions.

July 2010

Project at BOUHYER S.A - Establishment of a new classification system. Development of an optimization algorithm enhancing the manufacturing process and flow management

March 2010 - April 2010

OTHER EXPERIENCE:

Talks & Conferences:

- Presentation of a paper during a poster session and publication in the proceedings of ESANN
- Several talks in Paris. (ML Meetup, Mozilla, Human Talks)

2013 - present

Teaching: Private Mathematics lessons to 2nd year Undergraduate and senior high-school.

2007 – 2009 & 2013 – 2014



SKILLS

Technical Skills

Program Languages: Java, Prolog, TI-Basic, Python, Swift

Web development: Html5, CSS3, PHP, SQL, Javascript

Computing & Office Software

- **Mathematic Modelling:** Maple
- **Data analysis:** Matlab
- **Image & Video:** The Gimp, Illustrator, After Effects
- **3D Modelling:** SolidWorks
- **Office:** L^AT_EX & Microsoft Office

Operating Systems: Linux & Windows

Languages

- **French, Native**
- **English, Native** **TOEFL iBT - 113/120** **2014**
IELTS - 7.5/9 **2010**
5 years spent in English Schools (Oxford & Continental Schools)
- **Japanese, School level:** 2008-2012
- **Spanish and Italian, basic communication**



ACTIVITIES

Involvement: **Student Committee** – in charge of partnerships
Sports: Handball, Rugby, Judo (brown belt), Boxing, Archery, Swimming
Reading: Novels, Scientific books, Mangas and Comic books
Music: Guitar