

Joseph Ghafari

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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 for a full time position in Tokyo in Web/Application development or Data Science.

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. Managed a team of developers for a period of 1 year.

November 2014 – October 2017

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.

September 2013 – September 2017

Research Engineer 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 - 2015

Teaching: Private Mathematics lessons to 1st and 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*
- **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