François Amat

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Looking for a Cifre Phd in data science at anytime on or after the first of October.

Education

2018–2019	**Master's degree**, *Data and Knowledge*, Télécom Paristech and Paris-Sud University, Paris, France. Web data management, knowledge & semantics, big data, and data analytics from a semantic point of view. **Keywords**: Scikit-learn, Pandas, Spark, SPARQL, MongoDB, NLP, Graphs.
2016–2019	**Engineering degree**, *specialized in data science*, Télécom Paristech, Paris, France. Télécom Paristech is one of the most prestigious and selective engineering schools in France.
2013–2016	**Licence MPCI**, *Université Aix-Marseille*, Marseille, France. Equivalent to a Bachelor of Science degree focused on Mathematics, Physics, Chemistry and Computer Science. Degree from Aix-Marseille University and from Centrale school of Marseille. With Honours.

Work experience – Internships

March-August 2019	**Data scientist** - *Dassault Systems (Exalead)* – **Six-months internship**. In the Information intelligence team, built prototypes using semantics and Natural language processing. - Pre-processing: Word embedding, tokenization, n-gram. - Processing: Topic detection, Word sense disambiguation, Active learning. - Prototyping and putting into production.
Nov-August 2017	**Co-founder / CTO** - *Start-up Pawee* - **Project Manager and Software engineering.** Start-up incubated at ESSEC Ventures (2017) – 1st prize "start-up Week-end École Centrale de Paris" – laureate of the "Prix Pépite 2017". - Web development – Framework *laravel* (PHP) – development on AWS. - Managing three interns. - Legal missions (data management, legal status).
July 2017	**Software engineering** - *Deloitte French Foundation* - **One-month**. Developed / adapted the website of the foundation's annual prize. - Communicate in a large company. - Web development – Framework *Django* (Python).
December 2015	**Research internship** - *Aix-Marseille University* - **One-month**. Developed and optimised a piano fingering recognition algorithm. - Read English articles. - Use of dynamic programming and *machine learning*.
June-August 2015	**Research internship** – *University College London*, Tower, Minnesota, USA - **Two and a half months**. Involved in the *Cherenkov Detectors In mine PitS* (CHIPS) project on neutrino detection. In charge of the electronics and process automation of an experiment. - Solved problems in groups. - Planned, convince and communicate efficiently in English. - Prepared quotes, purchased components, achieved the project. - Published paper, (arXiv:**1610.06957**)
June-July 2014	**Research internship** - *Aix-Marseille University* - **One-month**. Developed an algorithm on a SAT (*boolean SATisfiability problem*) problem, based on Presburger arithmetic.

Computing and linguistics skills

IT Languages:	Python, Bash, C, C++, HTML, CSS, SQL, PHP, LaTeX, Java. **Systems**: Linux, Windows, MacOs.
Technologies:	Created IoT (Internet of Things) objects on *Arduino* and *Raspberry Pi boards*.
Languages:	**French**. *Mother tongue.* **Spanish B1**. *Elementary.* **English C1**. *Effective operational proficiency (910/990 Toeic 2016).*

Interests

Student Life:	**IT Director (2017 - 2018)** of the Junior Entreprise of Télécom ParisTech (in charge of a server with mail, intranet, website, Gitlab…). **Elected representative (2016 - 2017)** of the freshman class, Télécom ParisTech. **Co-founder and President (2014-2016)** of the student association of the French **MPCI** bachelor.
Piano:	Conservatory of La Ciotat (2005- 2016). Numerous concerts.
Sports:	Swimming and running (Finisher of the Paris half-marathon 2018).