Luc GIFFON Ph.D. student in Machine Learning

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i Born the 2 of April 1994 in Marseille 🛛 🚔 Driver

Former biology student, I learned programming in a self-taught way during my first year of Master in Bio-Informatics. I then chose to specialize in computer science and in particular in Machine Learning. I have been accepted in the Master of Computer Science of Marseille-Luminy directly. Following this Master degree where I graduated in the top fourth of my class, I was awarded in the Master of Fundamental Computer Science, specialty in Machine Learning and Data Mining. I ranked third overall but first in Machine Learning. I was awarded a PhD fellowship on the subject of Kernel Methods with Deep Learning under the supervision of Hachem Kadri, Stéphane Ayache and Thierry Artières. I study both theoretically and experimentally how to gather and benefit from these two families of Machine Learning methods.

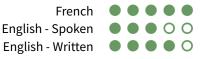
📑 Skills

Machine Learning	Kernel methods, Deep learning
Languages	Python (tensorflow, sklearn, unittest, sqlalchemy), Java, SQL, php (laravel), html/css (bootstrap), LaTex
Databases	MySQL, Oracle Database
Development tools	pyCharm , git, SQLdeveloper, Drupal, Eclipse
Autres	Unified Modeling Language (UML), Object Oriented Programing (OOP), Data Modeling

Professional Experience

2017, October to today	 Ph.D.: Research in Machine Learning: Kernel methods with Deep Learning, Aix-Marseille Université - LIS - QARMA team, Marseille - France Supervisors: Hachem Kadri - Stéphane Ayache - Thierry Artières Theoretical and experimental studies of deep learning algorithms and kernel methods. Deep Learning Kernel methods Nyström Python
2017, October	Teaching of algorithmic and object oriented programing at École Centrale de Marseille , École Centrale de Marseille, Marseille France
to today	 > Tutorials and practical works Teaching (Algorithmic) (Object Oriented Programing)
2017, May	Volunteering : school accompaniment, ESA Association, Marseille - France
to today	 School accompaniment for students from primary school to high school Studying help Sciences Accompaniment High school
2017, February to 2017, July	 Internship : Machine Learning Research, EURANOVA, Marseille - France Supervisors : Thomas Peel - Antoine Bonnefoy - Émilie Morvant Study and improvement of EXPoSE, an anomaly detection algorithm. Our improvement consists in the use of the Nyström approximation with fast update to compute the update of the mean embedding vector. Anomaly Detection Kernel methods Nyström Python
2016, September to 2016, April	 Internship : Python programming, Aix-Marseille Université - INSERM - TAGC, Luminy, France Supervisors : Aitor Gonzales - Lionel Spinelli Modeling and Programing of a workflow manager with results stored in a Database Python Object Oriented Programing (scrum) SQLAlchemy (pyCharm) (sonarQube) (git)
2012, July and 2013, February	 Internship : Laboratory Technician, Université de Strasbourg - IBMP, Strasbourg, France > Supervisor : José Gualberto > Technical execution of biology experiments on <i>Arabidopsis thaliana</i> required by the researcher and results analysis
	confocal microscopy PCR qPCR molecular cloning

A Languages



🞓 Scholarship

from 2017	Ph. D. in Machine Learning : Kernel methods with Deep Learning - LIS - QARMA Team - Aix-Marseille Université (Ongoing)
2016 - 2017	Master 2 in Fundamental Computer Science Specialty Machine Learning - Luminy, Aix-Marseille Univer- sité
2015 - 2016	Master 1 in Computer Science - Luminy, Aix-Marseille Université
2014 - 2015	Master 1 in Bio-Informatics - Luminy, Aix-Marseille Université
2013 - 2014	Bachelor in Cellular Biology - Luminy, Aix-Marseille Université
2011 - 2013	BTS Bio-Techonologies - Lycée Jean Rostand, Université de Strasbourg
2011	Scientific Baccalaureate option Physics

ℬ Hobbies

climbing	Usually on (In-door) boulders
Skiing	Usually multiple times a year
Video Games	FortniteBR, League of Legends, Counter-Strike
Hacking	Server Administration (Raspberry Pi), IT-Security, Programming
Basket-Ball	For leisure

📽 References

Thierry Artières Professor - LIS - QARMA

Ph.D. supervisor

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Thomas Peel, Ph.D. *Director / Data Scientist - EURA NOVA - Marseille* Internship supervisor

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Hachem Kadri, Lecturer - LIS - QARMA

Ph.D. supervisor

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Stéphane Ayache, Assistant professor - LIS - QARMA

Ph.D. supervisor

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- **Lionel Spinelli**, *Research Engineer in Bio-Informatics* Internship supervisor
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