Guillaume Rochette

Engineering Student in Applied Mathematics and Computer Science

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Educational Background

2012-2017 (expected)
National Institute of Applied Sciences of Rouen (INSA Rouen), *Rouen, France*,
Diplôme d'ingénieur en Mathématiques Appliquées,
English equivalent : Msc. in Mathematical and Software Engineering.
Main themes :
- Statistics, Machine Learning and Artificial Intelligence.
- Scientific and Stochastic Calculus, and Numerical Methods.
- Mathematical Programming and Operations Research.
End of Studies' Project :
- Deep Learning for Natural Language Processing applied to Bond and Stock Market.

2012
Lycée Paul Langevin, *Suresnes, France*,
Baccalauréat Scientifique section Européenne Allemand mention Bien,
English equivalent : A-Levels in Sciences and German with distinction.

Work experience

April-October 2017
Thales Services, *Toulouse, France*,
End-of-course Internship - Prototyping of a Search Engine for Satellite Imagery.
Creation of Deep Learning models adapted to High Resolution Satellite Imagery :
- Automated Cartography and Building Detection, using Image Segmentation.
- Similarity Search between Images using Deep Features.

June-September 2016
BNP Paribas Personal Finance, *Levallois-Perret, France*, Speciality Internship - Basel II Equity Calculator, Joint Venture with Commerz Finanz Group. Study of European Financial Regulation and Basel Accords (I and II), Knowledges in Risk Management and Project Management.

June-September 2015
Université du Québec À Montréal (UQÀM), *Montréal, Québec, Canada*,
Technical Internship in Data Mining & Association Rules Mining under the supervision of Pr. Petko Valtchev,
Study and implementation of numerous algorithms & creation of a new algorithm for closed-pattern mining, Flake.

July 2013
PSA Peugeot-Citroën, *Poissy, France*,
Working on the assembly line for 208/C3/DS3 cars,
Electronics and door systems check.
Working in morning & afternoon shifts.

March 2011
Volksbank Goettingen, *Göttingen, Niedersachsen, Germany*,
Marketing and Web Design Department,
Improvement of German Business & Finance oriented vocabulary.
Greeting customers,organisation of conferences, basic learning of financial advising.

December 2010
Café Vierkötter, *Rösrath, Nordrhein-Westfalen, Germany*,
Bakery and pastry,
Improvement of German everyday-life vocabulary, duration : 2 weeks.

Qualifications

Computer Science

Operating Systems	UNIX, Linux, Debian, Ubuntu, Windows.
Programming Languages	Python, C, C++, MatLab, R, SAS, SQL, Java, Fortran, Pascal, LaTeX, UML.
Machine Learning Frameworks	Caffe, TensorFlow, SciKit Learn, Pandas.

Languages

English	**Fluent**, *Level B2/C1*, TOEIC Certificate 960/990.
German	**Fluent**, *Level B2/C1*, Graduated Deutsches Sprachdiplom Stufe II (DSD II), issued by Kultusministerkonferenz (KMK) in 2012.

Other competencies

Sport	**Handball**, *Regional League*, 5 years.
	Climbing, *2 years*.