CLÉMENT RIEDEL
DATA SCIENTIST

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Experience

Data Science Immersive at **Galvanize**   Apr 2016 – Jul 2016
12 weeks data science immersive.

Data Scientist at the **D-Lab**   Jan 2014 - Apr 2016
I was creating data science products and teaching classes. We worked on a virtual environment; my classes and products focused on supervised and unsupervised learning.

Research Associate in Single molecule biophysics **(UC Berkeley)**   Oct 2011 – Mar 2016
Publication as 1st author in *Nature*. I performed experiments, developed codes using machine learning (automated regressions with complex models; Hidden Markov Models on noisy data…), leaded team.

Education

Postdoc in nanophysics (Universidad Autonoma de Madrid)   Oct 2010 – Oct 2011
4 publications (3 as 1st author), 1 oral. Simulation (Matalb) of the electrodynamic interaction between a nanometric probe and dielectric material.

PhD: Dielectric and mechanical properties of polymers at macro & nanoscale   Sep 2007 – Oct 2010
9 publications (8 as 1st author), 4 orals, **80 hours of teaching. (**Universidad del Pais Vasco)

Master of physics "Cosmos, fields and particles" (Université Montpellier 2)   Sep 2005 – Jul 2007

License of physical science (Université Montpellier 2)   Sep 2002 – Jul 2005

Data Science skills (see ds4all.io)

Fluent in python, matlab and R. SQL / Postgres to interact with databases and choose the right tool to solve the problem. (Experience with hadoop / map reduce / spark for big data. MongoDB and BS for scrapping.)

Supervised / Non supervised learning. Regression, regularization, neural networks, clustering, dimensionality reduction, anomaly detection, bootstrapping, random forest…

Natural Language Processing: LDA (i.e. topic modeling), LSA, NER (Stanford), document similarity and summarization. Author of NLQ.

Dynamic Data Science web application on cloud services (AWS EC2).

High quality presentation and communication. Experience leading team. Product management: Build - Measure - Learn. Persevere or Pivot. Accelerate. (Lean Startup method).

Achievements and awards

Green card upon Extraordinary Abilities in science (EB-1A).

Founder of 'Data Science for all' ds4all.io. The platform aims to bring data science awareness to the people and provide easy-to-use data science tools.

Human Frontier Science Program: Award of 150k$ that permits exceptional young scientists to perform research and at the interface of life sciences.

Janus fellowship for the best undergraduate research program.

A full resume with list of publications, invited talks, book chapters… can be found at ds4all.io/clem