


CLÉMENT RIEDEL

DATA SCIENTIST, PHD

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 ds4all.io

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 clemriedel

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Experience

Data Science Immersive at Galvanize
12 weeks data science immersive.

Apr 2016 - Jul 2016

Data Scientist at the D-Lab

Leading and training data scientists. Creating data science products and teaching classes. We utilized virtual environment; where the classes and products focused on supervised and unsupervised learning.

Jan 2014 - Apr 2016

Research Associate in Single molecule biophysics (UC Berkeley)

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...), lead team.

Oct 2011 - Mar 2016

Education

Postdoc in nanophysics (Universidad Autonoma de Madrid)

4 publications (3 as 1st author), 1 oral. Simulation (Matlab) of the electrodynamic interaction between a nanometric probe and dielectric material.

Oct 2010 - Oct 2011

PhD: Dielectric and mechanical properties of polymers at macro & nanoscale

9 publications (8 as 1st author), 4 orals, **80 hours of teaching**. (Universidad del Pais Vasco)

Sep 2007 - Oct 2010

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. Bayesian statistics, generative models...

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

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

Artificial Intelligence: Cognitive and behavioral science. User engagement. See: conversation-clem.mybluemix.net.

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). (Most competitive category, where Nobel Prizes apply).

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. Author of NLQ.

Human Frontier Science Program: Award of 150k\$ that permits exceptional young scientists to perform research at the interface of life sciences. (Acceptance rate <10% of preselected outstanding candidates).

Founder of the 'Berkeley Machine Learning Group.' I trained people that have now senior data science positions.

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