Quentin CAUDRON

Data Scientist
Market Builder
CBRE

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Summary

I'm a data scientist with strong analytical skills, experience with cutting-edge machine learning techniques, and a drive for finding solutions that generate understandable, actionable insights from data. I combine a background in applied mathematics and computer science with years of programming experience to implement algorithms that can tackle complex problems.

Education

PhD   Complexity and Computer Science, University of Warwick, 2013

MSc   Complexity Science (*Distinction*), University of Warwick, 2009

BSc   Chemistry with Management (*Hons*), University of Warwick, 2008

Skills

Extensive experience in machine learning pipeline design and implementation in Python, C++, and Matlab for deployment on local and high-performance computing systems

Mathematical and statistical modelling, simulation, and analysis using dynamical systems theory, graph theory, Bayesian inference, and agent-based modelling

Analysis of time series and image data using Fourier and wavelet methods, feature detection, image segmentation, fractal and information-theoretic measures

Linux, OSX and Windows operating systems; cross-platform development

Experience

Data Scientist *March 2016 to present*
Market Builder Group, Corporate Development, CBRE

Postdoctoral Researcher *March 2013 to March 2016*
Department of Ecology and Evolutionary Biology, Princeton University

Cofounder, Princeton University Python Community *December 2013 to March 2016*
Princeton University

Module Creator, Python for Scientific Computing *March 2014 to March 2016*
Princeton Institute for Computational Science and Engineering, Princeton University

Module Creator, C and Matlab for Scientific Computing *October 2010 to December 2012*
Centre for Complexity Science, University of Warwick