ROSS CHEYNE
Data Analyst

ABOUT ME

At university, I was exposed to data analysis on a small and large scale. The largest project I worked on focused on modelling hydropower turbines scaled up from small test turbines. The experiments carried out in the lab generated thousands of data points that were modelled in MatLab to test the viability of full size turbines.

From my work experience at Carbon Tracker Initiative, I became passionate about climate change and how we can create clean energy systems. Decades worth of big data collection has been hugely important in monitoring and modelling the effects of climate change.

In my spare time I enjoy playing sports, particularly American Football. Since 2011 I have played full contact and flag football in the British leagues. In 2016 my flag football team finished 3rd in Britain after making it to the British Championship Finals.

CONTACT US

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OVERVIEW

At university, I studied a BSc Honours in Physics followed by Postgraduate Certificate in Renewable Energy Engineering ('16). I spent a lot of my time conducting analysis and writing code in Matlab, Mathematica and Python. My largest coding project was built using Wolfram Mathematica and involved creating a full simulation of the board game Risk. This simulation quickly ran the game hundreds of times and recorded every move made. I then analysed the data to find the best strategy to use whilst playing the game. Having determined key strategic points, the analysis conducted was reported and presented to a panel of academic researchers who selected the project to be published to Wolfram's large online community forum due to its excellence.

During my time at university I spent a summer interning as an analyst for a non-governmental organisation called Carbon Tracker Initiative. I analysed business reports and statistical business data from fossil fuel companies to determine how seriously climate change was considered a risk to their businesses. The report I worked on was a collaboration with multiple organisations and I attended regular meetings to present my findings after having created visual representation of the information I found.

WORK

DATA ANALYST – KUBRICK GROUP, LONDON
May 2017 – present
In addition to intensive learning, whilst at Kubrick I have worked in agile teams on many client projects deepening the skills I have learned.
The data analytics projects which I have worked on have proven my skills in efficiently sourcing, processing and analysing large datasets both stored on-premises and cloud based. This has enabled me to deepen my analytical skills through data visualisation in: Python integrated Tableau, open source Plot.ly as well as through predictive modelling using the Python SkLearn module.
Examples of value I have added to businesses include insight derived from real time streamed social media analytics, as well as predictive insights extracted from client side relational data warehouses and NoSQL systems.

ANALYST INTERN – CARBON TRACKER INITIATIVE, LONDON
July 2014 – August 2014
I gained a lot of knowledge about climate change regulation and the importance that predictive data modelling has in setting those regulations.
My work was the basis for the complimentary "Recognising Risk, Perpetuating Uncertainty – A Baseline Survey of Climate Disclosures by Fossil Fuel Companies" which was then presented at a United Nations UNCTAD Sustainable Stock Exchange event in Geneva.

EDUCATION

PGCERT RENEWABLE ENERGY ENGINEERING, PASS: UNIVERSITY OF ABERDEEN
SEPTEMBER 2015 – NOVEMBER 2016

Studied modules include: Solar, Wind, Hydro, Biomass, Legislation & Economics, Electrical Systems, Safety Engineering & Risk Management, Energy Storage.

BSC HONOURS PHYSICS, 1ST CLASS: UNIVERSITY OF ABERDEEN
SEPTEMBER 2011 – JUNE 2015

Studied modules include: Modelling Theory, Astrophysics, Quantum Mechanics, Energy and Matters, Solid State Physics, Advanced Practical Physics, Nuclear and Semiconductor Physics.

KEY SKILLS

I am experienced and qualified in the following technologies and disciplines:

Data Skills:	SQL, Python, Pandas and SciPy, SkLearn, Tableau, Plot.ly, Hadoop & Apache Spark
Security Skills:	Git, Security and Kerberos, SSH & Linux, GDPR
Data Warehousing:	SQL, Hive (HQL) & Kimball methodology
SDLC:	Agile & problem solving
Documentation:	LaTeX and Markdown
Soft Skills:	Presentation skills
Specialisms trained in:	Retail, AML, Credit Risk
Certifications:	Tableau Desktop 10 Qualified Associate

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