Michael Finlay Brown

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Academic	**London School of Economics**	**2019 - 2020**

- **MSc Data Science (Distinction):** Modules include Machine Learning and Data Mining, Managing and Visualising Data, Deep Learning and AI, Distributed Computing for Big Data, Bayesian Machine Learning
- Dissertation investigating ML applications of sensory data from mobile phones in partnership with Alpha Telefónica
- Other projects include implementing a distributed algorithm for Neural Word Embeddings, exploring and implementing Convolutional Neural Network visualisation techniques

University College London **2015 - 2018**

- **BSc Statistics, Economics and Finance (1st Class Honours):** Study focused on statistical estimation, modelling, practical data methods and stochastic financial pricing
- Awarded a place on 2018 Mathematical and Physical Sciences Dean's List (given to only a few students each year)

The Perse School, Cambridge **2007 - 2014**
A-Level: A* Maths, A* Further Maths, D1 Physics Cambridge Pre-U (A*+ equivalent), B Economics

- **GCSE:** 9 A*s, 1 A (including French, Spanish and Art)

Experience **Consilium Scientific** **Sep 2020**

- Data Scientist overseeing full data lifecycle (acquisition, cleaning, analysis and visualisation) for academic medical research company (part-time; ongoing)

Point72 Asset Management **Jun 2017**

- Six weeks paid internship in an equities long/short team
- Worked as Data Analyst for a project aimed at incorporating novel data streams into the investment process

Cantab Capital Partners LLP **Jun 2016**

- Six weeks paid internship in the quantitative science team
- Modified a strategy to accommodate an expanded asset universe and analysed performance, worked with tech team to integrate new asset classes into the existing infrastructure

Cantab Capital Partners LLP **Jan – May 2015**

- Five months paid internship in the quantitative science team
- Researched and introduced a new wave of assets, sourced and cleaned historical data for back-testing
- Co-authored an internal research paper on a strategy for trading illiquid assets and then implemented the strategy

Awards & Achievements

Mathematical and Physical Sciences Dean's List 2018	**2018**
The Perse School Scholarship for Economics	**2012-2014**

Skills

Python: Expert; skill developed over 6 years in academia and industry.

- **Data Analysis:** Strong knowledge of sci-kit learn, experience delivering projects with TensorFlow and Keras
- **Visualisation:** Strong knowledge of packages Matplotlib, Seaborn and interactive geographical maps with Folium

R: Advanced; university-taught over multiple years with external experience whilst volunteering.

Databases and Distributed Computing: Experience at university backed by various projects.

- **SQL and NoSQL:** Good knowledge of SQL and experience with NoSQL (MongoDB)
- **Spark and Hadoop:** Experience using PySpark on Google Cloud, SparkSQL and GraphX; running MapReduce computations in Hadoop and PySpark, HDFS and Hive

Extracurricular & Interests

Volunteering:

- **Salusbury World:** currently mentor and teach A-Level maths to refugees living in London
- **UCL Transitions Mentor Scheme:** provided academic and social mentorship to 12 first year students
- **Hounslow Action for Youth:** worked alone as an independent data advisor to help secure charity funding

AI Art: I have recently begun a personal project to develop novel digital art using GAN deep learning architectures.

Travelling: Passionate traveller; visited Vietnam by train via Russia, Mongolia and China; enjoyed a 2-month road trip to USA; have undertaken hiking expeditions in Romania and the Caucasus; worked in Canada for 6 months.