

# TOM LIPTROT

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## PROFILE

- Highly experienced (10 years) and knowledgeable data scientist now moving into contracting
- Led successful data science projects for FTSE listed companies including: Asos, Footasylum, Speedy, Marshalls, Global Radio, Arsenal and others.
- Looking for hands on data science roles
- Deep understanding of statistical and machine learning techniques
- Strong communicator with good commercial awareness
- Able to translate business problems into mathematical problems and solve them
- Well connected in the data science community and with academia
- Extensive commercial experience across a range of sector

## EXPERTISE

CODING	MATHS & STATS	AI & ML
R (10 years, advanced)	Advanced statistics	GBMs and random forests
SQL (8 years, advanced)	Bayesian inference	Deep Neural Nets
Python (4 years, intermediate)	Exploratory analysis	NLP / text mining
Deploying production ML APIs	Visualization	Unsupervised modelling
Extreme data munging	Time series analysis	Problem formulation
Linux, Bash, git	Survival analysis	Model validation

## EMPLOYMENT HISTORY

HEAD OF DATA SCIENCE, Peak 2017 – Present

- Built and led one of the UK's largest and most successful data science teams providing data science consultancy services in a range of industries
- Joined as a data scientist and was quickly selected to lead a rapidly growing team
- Grew data science related annual recurring revenue from £100k to £3.5m over 2 years
- Released dozens of machine learning models being used to transform some of the UKs largest businesses
- Recruited, trained and mentored 17 data scientists

SENIOR DATA SCIENTIST, Peak 2017 – 2017

- Joined as a data scientist and was rapidly promoted to head of data science.

SENIOR DATA SCIENTIST, The Christie Hospital 2013 – 2017

- Set up the first data science team in the NHS in a specialist cancer hospital
- Built machine learning models that predicted drug toxicity in chemotherapy patients
- Built production system to predict emergency inpatient admissions

DATA SCIENTIST, AstraZeneca 2012 – 2013

- Worked in the personalised healthcare team doing advanced predictive modelling
- Developed an approach to searching for predictive biomarkers that was used in phase II clinical trials in oncology, sepsis and diabetes.

DATA SCIENTIST, Kalibrate 2009 – 2012

- Specialised in pricing science and optimisation

## EDUCATION

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APPLIED STATISTICS AND OPERATIONAL RESEARCH, MSc (with distinction) 2008 – 2009  
Salford Business School, University of Salford

ECONOMICS, Graduate Diploma (with distinction) 2007 – 2008  
Birkbeck College, University of London

PHILOSOPHY, MA (Hons) 2:1 2000 – 2005  
University of Edinburgh