

# JAMES GAMMERMAN

## EDUCATION

- 2018  
|  
2016
- **MSc, Machine Learning**  
Royal Holloway University 📍 London, UK
    - Grade: Distinction
    - Selected modules: Deep Learning, Tree-based methods, Regression, Unsupervised Learning, Natural language processing, Large-scale Data Analytics (Big Data)
    - Thesis: Predictive Maintenance with Conformal and Probabilistic Prediction - A Commercial Case Study. Won best thesis award.
  - **MSci, Chemistry**  
Imperial College 📍 London, UK
    - Grade: 2:1
    - Masters project in computational chemical physics: Heat Transfer in Ionic Liquids

## PROFESSIONAL EXPERIENCE

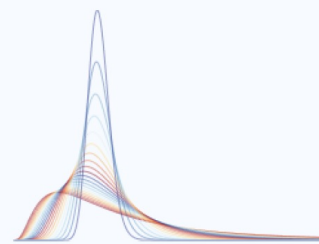
- Current  
|  
2017
- **Data Scientist**  
Centrica 📍 London, UK
    - Responsible for data exploration and cleaning, feature engineering, modelling and reporting/deployment
    - Participated in several value-adding projects related to predictive maintenance, revenue forecasting and safety incidents
    - Gained experience with modern ML frameworks such as Tensorflow and Apache Spark and cloud architectures such as AWS and Microsoft Azure
    - Also responsible for some employee training and recruitment (see below)
  - **Business Analyst**  
ExxonMobil 📍 London, UK
    - Numerous analytical tasks relating to European gas and power markets

## ACADEMIC PUBLICATIONS

- 2020
- **Journal article: Multi-level conformal clustering: A distribution-free technique for clustering and anomaly detection**  
Neurocomputing, Volume 397, 2020, pp. 279-291
    - Introduces a novel clustering technique which also incorporates anomaly detection
  - **Poster abstract: Conformal Anomaly Detection based on Association Rules**  
Proceedings of Machine Learning Research, Volume 105, 2019, pp.246-7
    - Introduces a novel machine learning technique for database cleaning

## TALKS AND TEACHING

- Current  
|  
2018
- **Workshop: Business Analytics in R - An Introduction to Statistical Programming**  
Centrica 📍 Various Locations
    - I have presented this workshop several times to company employees across the UK.
  - **Talk: Machine Learning: Progress & Prospects**  
Odessa (Mechnikov) University 📍 Odessa, Ukraine
    - Guest lecture at Data Science meetup; available on Youtube.



View this resume online with links at  
[www.jamesgammerman.com/resume](http://www.jamesgammerman.com/resume)

## CONTACT

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## LANGUAGE SKILLS

R	
Python	
SQL	
Bash	
MATLAB	
Javascript	
HTML	
CSS	

## MORE INFO

See full CV at [www.jamesgammerman.com/cv](http://www.jamesgammerman.com/cv) for more complete list of positions and accomplishments.