

JAMES GAMMERMAN

EDUCATION

2018
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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.

2013
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2009

- **MSci, Chemistry**
Imperial College 📍 London, UK
 - Grade: 2:1
 - Masters project in computational chemical physics: Heat Transfer in Ionic Liquids

PROFESSIONAL EXPERIENCE

Current
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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)

2017
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2013

- **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

2019

- **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

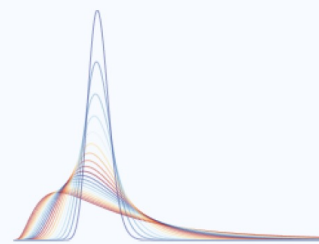
TALKS AND TEACHING

Current
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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.

2018

- **Talk: Machine Learning: Progress & Prospects**
Odessa (Mechnikov) University 📍 Odessa, Ukraine
 - Guest lecture at Data Science meetup; available on Youtube.

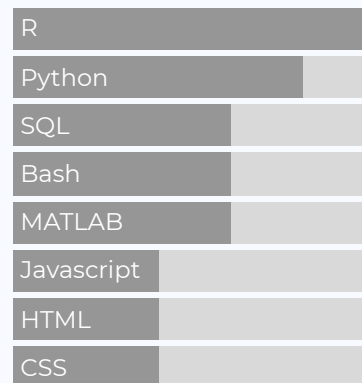


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LANGUAGE SKILLS



MORE INFO

See full CV at www.jamesgammerman.com/cv for more complete list of positions and accomplishments.