Robin Philip

Linkedin profile

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EDUCATION

- **University of St Andrews** — Scotland,UK

  MSc in Applied Statistics and Data Mining with Distinction in Dissertation ; Merit (79.6 %)   *Sep. 2016 – Sep. 2017*

  Dissertation: *Binary Classification of pedestrians in Video data using Convolutional Neural Networks and GPU hardware* (Software: Python 3.0 ,Open CV, Keras ,Tensor Flow)-Distinction (86 %).

- **University College London** — London,UK

  MSci in Theoretical Physics ; 2:1   *Sep. 2010 – Sep. 2014*

  Dissertation: *Calculating the wave functions of Highly excited Helium atoms due to the dipole-dipole interaction in Rydberg states* (Software :Fortran 77) - Merit (64 %).

- **Merton College,Morden** — London,UK

  A Level - Mathematics,Further Mathematics, Physics ; AAB   *Sep. 2007 – Sep. 2009*

EXPERIENCE

- **Barts Health NHS Trust- NICOR** — London ,UK

  Higher Information Analyst - Statistician   *May 2019- Current*

  - Perform statistical analyses on data from six national cardiovascular data sets
  - Redeveloping Existing Code base in R using R mark down and Drake Package.
  - Development of Shiny Dashboards conveying national level outcome measures
  - Collaboration with researchers working on projects that involve analysis of NICOR data.
  - Develop data-cleaning processes in a team environment that promotes re-usability of code and standardisation of practices across the NICOR audits.

- **National Physical Laboratory** — London ,UK

  PHD candidate for Cancer Research UK at Imperial College London   *Nov 2018 – Nov 2018*

  Offered a Fully funded 4 year PHD studentship in collaboration with NPL and Cancer Research UK , left due to personal reasons.

- **National Physical Laboratory** — London,UK

  Research Scientist for Grand Challenge Cancer Research UK Project   *Nov 2017 – Nov 2018*

  click-here 👆

  Automated scripts and web scraping (Python),Parsing and Analyzing Large Databases (XML),Data wrangling and analysis through R packages (dplyr,tidyr) ,Novel visualizations in R (ggplot2,shiny dashboard),Unsupervised and Supervised Modelling (Multiple Correspondence Analysis , Naive-Bayes, Classification Trees, Linear Regression , Correlation Analysis)

  Poster sessions presented at :

  - The 5th SIG Mass Spectrometry Imaging Symposium, Sheffield Hallam University, UK.(2018, April) click-here 👆
  - The 3rd PGI conference , University of Strathclyde, Glasgow, UK (2018 , October) click-here 👆

- **Oxleas NHS Foundation Trust** — Kent,UK
  Graduate Information Analyst — *Mar 2016 – Aug 2016*
  - Be responsible for producing key reports for the Trust including Trust -KPIs, Delayed Transfers of Care and Quality and Safety Improvement Plans on a monthly basis.
  - Be responsible for producing daily, weekly, monthly quarterly reports used by clinical business managers, ensuring they are timely, accurate and produced in accordance with the Trust procedures and timetables.
  - Providing analysis and interpretation of data using dashboards, written or verbal reports, within a variety of formats, systems and methods (MS Excel, PowerPoint,Tableau, and SQL).

Projects

- **MSc Dissertation; University of St-Andrews** : Pedestrian Classification using Convolutional Neural Networks in Tensor Flow . click-here 👆
- **Knowledge Discovery and Data mining ; University of St-Andrews** : Consumer Credit Risk Modelling with RBS. click-here 👆
- **Applied Multivariate Analysis; University of St-Andrews**: Applied Unsupervised Machine Learning Techniques such as Principal Component Analysis and Clustering on World Development Indicators from World Bank. click-here 👆

Programming Skills

Languages: R, Python,MATLAB, Microsoft SQL Server 2014, SAS, SPSS, Microsoft Office(OneNote,Word,Excel,PowerPoint), Mathematica
Technologies: Tableau, Git, TensorFlow, OpenCV, R Markdown, LaTeX, Shiny