

# Jack Grimes

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London, UK

## EDUCATION

### IMPERIAL COLLEGE LONDON

PHD ENGINEERING/EPIDEMIOLOGY  
Sep 2015 | London, UK

### IMPERIAL COLLEGE LONDON

MSC ENVIRONMENTAL ENGINEERING  
AND SUSTAINABLE DEVELOPMENT  
Sep 2011 | London, UK

### UNIVERSITY OF OXFORD

BA PHYSICS  
Sep 2010 | Oxford, UK

## LINKS

Github: [jackgrimes](https://github.com/jackgrimes)

LinkedIn: [jackgrimes](https://www.linkedin.com/in/jackgrimes)

Google Scholar: [HZLogpQAAAAJ](https://scholar.google.com/citations?user=HZLogpQAAAAJ)

## COURSES

Bayesian Statistics: From Concept to Data  
Analysis (Coursera, University of  
California, Santa Cruz)

Deep Learning Specialization (Coursera,  
[deeplearning.ai](https://www.coursera.org/deeplearning))

Machine Learning (Coursera, Stanford  
University)

Learn SQL (Codecademy)

SQL: Table Transformation (Codecademy)

SQL: Analyzing Business Metrics  
(Codecademy)

Learn Python 2 (Codecademy)

## SKILLS

### PROGRAMMING

Very familiar:

Python • R • Git/GitHub  
Matlab/Octave

Familiar:

SQL • VBA • Javascript • HTML  
CSS •  $\text{\LaTeX}$

## EXTENDED CV

A more detailed version of my CV can be  
found on my [website](#)

## EXPERIENCE

### LLOYDS BANKING GROUP | DATA SCIENTIST, MACHINE INTELLIGENCE PROGRAMME

Jan 2019 - Present | London, UK

- Predominantly using Python, GitHub, pytest, PyCharm, pandas, sklearn, GridSearchCV
- Fitting and evaluating natural language processing models, and using them for prediction
- High-quality (efficient and readable), production-ready tested code
- Quality control and investigation of the performance of that code
- Running the Modelling Interest Group, organising sessions about interesting modelling topics

### LLOYDS BANKING GROUP | DATA SCIENTIST, RISK INNOVATION

Aug 2017 – Dec 2018 | London, UK

- Predominantly using Python, GitHub, SAS VA, Flask
- Predictive analytics using pandas, sklearn
- Topic modelling using gensim, Latent Dirichlet allocation, SAS VA
- Web app development using Flask
- Management of an intern
- Presented my work widely, at internal conferences throughout the UK

## RESEARCH

### IMPERIAL COLLEGE LONDON | POSTDOCTORAL RESEARCHER

Jan 2016 – Jul 2017 | London, UK

- Mixed effects logistic regression to compare environmental risk factors, parasites, and overall health, using R and lme4 ([paper](#))
- Using parasite infection intensity and Box-Cox transformations, for more accurate estimations of parasite infection prevalence, using R

### IMPERIAL COLLEGE LONDON | PHD RESEARCH

Mar 2012 – Dec 2015 | London, UK

Thesis: *An investigation into the roles of water, sanitation, and hygiene in the control of schistosomes and other helminths*

- Systematic Review and Meta-analysis ([paper](#))
- GIS and Spatial Statistics using R and ArcGIS
- Non-parametric Statistics using R
- Data management using R
- Primary data collection in surveys: training and supervision of 41 data collectors, data collected from over 100,000 children in over 2,000 schools
- Supervision of 2 M.Sc. students
- Fieldwork: spent around 6 months of my Ph.D. in Ethiopia - supervising data collection but also negotiating contracts, obtaining equipment, hiring staff and so on
- First author of 6 papers, also contributed to 4 more (see [Google Scholar](#))

## AWARDS

2016	Best Presentation	Wellcome Centre for Global Health Research Annual Meeting
2009	Collections (exams) prize	University of Oxford