

# Jack Grimes

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London, UK

## EDUCATION

### IMPERIAL COLLEGE LONDON

PH.D. ENGINEERING/EPIDEMIOLOGY  
September 2015

### IMPERIAL COLLEGE LONDON

M.Sc. ENVIRONMENTAL  
ENGINEERING AND SUSTAINABLE  
DEVELOPMENT  
September 2011

### UNIVERSITY OF OXFORD

M.A. (OXON) PHYSICS  
September 2010

## LINKS

GitHub: [jackgrimes](https://github.com/jackgrimes)  
LinkedIn: [jacketgrimes](https://www.linkedin.com/in/jacketgrimes)  
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 •  $\text{\LaTeX}$

### PLATFORMS

Google Cloud Platform • Domino

## EXTENDED CV

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

## EXPERIENCE

### MORSUM SENIOR DATA SCIENTIST

March 2021 - Present London, UK  

- CI/CD pipelines using GitHub Actions

### LLOYDS BANKING GROUP DATA SCIENTIST, APPLIED SCIENCE

January 2019 - March 2021 London, UK  

- Predominantly using Python, Git, PyCharm, Jenkins, pandas, spaCy, scikit-learn, pytest, NetworkX
- Natural language processing (NLP), network analysis, classification, clustering
- High-quality (efficient and readable), production-ready unit-tested code
- Running the *Modelling Interest Group*, organising sessions about interesting modelling topics
- Planning and delivering the *Advanced Modelling and Natural Language Processing* parts of the *Data Science Graduate Scheme Training Programme*

### LLOYDS BANKING GROUP DATA SCIENTIST, RISK INNOVATION

August 2017 - December 2018 London, UK  

- Predominantly using Python, Git, SAS VA, Flask
- Predictive analytics using pandas, scikit-learn
- Fraud prevention using `face_recognition`
- Topic modelling using Gensim, Latent Dirichlet allocation, SAS VA
- Line-management of an intern
- Presented my work widely, at internal conferences throughout the UK

## RESEARCH

### IMPERIAL COLLEGE LONDON POSTDOCTORAL RESEARCHER

January 2016 - July 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 PH.D. RESEARCH

March 2012 - December 2015 London, UK  
 Thesis: *An investigation into the roles of water, sanitation, and hygiene in the control of schistosomes and other helminths*  

- Statistical analyses in R, and systematic review and meta-analysis ([paper](#))
- Presentations at the American Society of Tropical Medicine and Hygiene Annual Meetings (2012, 2013 and 2016) and many other conferences
- Fieldwork: around six months in Ethiopia
- Supervision of two M.Sc. students during my Ph.D. work (and, more recently, an M.Eng. student in 2020)
- First author of six papers, also contributed to five more (see [Google Scholar](#))

## AWARDS

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