

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/company/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 • \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