

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](#)
LinkedIn: [jacketgrimes](#)
Google Scholar: [HZLogpQAAAJ](#)

COURSES

Deep Learning Specialization (Coursera, deeplearning.ai) (in progress)
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

EXPERIENCE

LLOYDS BANKING GROUP | DATA SCIENTIST/SOFTWARE ENGINEER,
MACHINE INTELLIGENCE PROGRAMME
Jan 2019 - Present | London, UK

- Predominantly using Python, GitHub, pytest, PyCharm, pandas
- Focus on writing high-quality (efficient and readable), production-ready tested code
- Quality control and investigation of the performance of that code

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
- Dashboards in SAS VA
- 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 assess the relationships between environmental risk factors, parasites, and overall health \(using R, lme4\)](#)
- 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

An investigation into the roles of water, sanitation, and hygiene in the control of schistosomes and other helminths ([thesis](#))

- Systematic Review and Meta-analysis
- 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

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