Jack Grimes

jackgrimes.uk | jack@jackgrimes.uk
London, UK

EDUCATION

IMPERIAL COLLEGE LONDON
Ph.D. Engineering/Epidemiology
Sep 2015 | London, UK

IMPERIAL COLLEGE LONDON
M.Sc. Environmental Engineering and Sustainable Development
Sep 2011 | London, UK

UNIVERSITY OF OXFORD
M.A. (Oxon) Physics
Sep 2010 | Oxford, UK

LINKS

GitHub: jackgrimes
LinkedIn: jacketgrimes
Google Scholar: HZLogpQAAAAJ

COURSES

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

Deep Learning Specialization (Coursera, deeplearning.ai)

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 6 months in Ethiopia
- Supervision of two M.Sc. students during my Ph.D. work (and, more recently, an MEng student in 2020)
- First author of 6 papers, also contributed to 5 more (see Google Scholar)

AWARDS

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