

Rob Levy

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PROFILE

Software engineer, data nerd, maths whiz, lecturer and facilitator.

I'm a people person *and* a techie. I look to combine these two aspects in jobs which are technically challenging, creative, collaborative and communicative.

I'm a data-orientated software engineer with a long history in data and development in general. I'm a native speaker of Python and Postgres-flavoured SQL.

EXPERIENCE

LIMEJUMP | SENIOR SOFTWARE ENGINEER

Sep 2019 – current | London

- Designed, wrote, tested, reviewed, deployed and bugfixed production code using Python, Postgres, SQL, Django, Kubernetes, Docker and AWS
- Wrote continuous integration specs in CircleCI and Github Actions for running tests, building Docker images and deploying to AWS Elastic Container Registry (ECR).

FREELANCE | FULL-STACK DEVELOPER

Jan 2019 – current | London

- Adapted corporate website to meet new design spec. Deployed website via git and Amazon Web Services.
ES6/Babel – Node/Express/Webpack – SASS/SCSS – React – AWS EC2 – AWS Elastic Beanstalk with load balancing
- Managed database schema upgrades and data cleansing
Linux via remote access – MySQL command line interface – SQL

GENERAL ASSEMBLY | LEAD INSTRUCTOR

Apr 2018 – current | London

- Taught and developed Web Development Immersive, a 12-week intensive Javascript course. Created many database-facing APIs and API-consuming front-ends from scratch. Responsive designs, cookies and local storage, JSON web token, mapping with Leaflet.js and Google Maps, RESTful APIs, session and token authentication, password hashing.
ES6 – Node.js – Webpack – SASS – React – Angular – Command-line git
- Taught Data Science part-time evening course.
Python – Pandas – Scikit Learn – Matplotlib and Seaborn – Supervised/Unsupervised learning – Train/test split approaches • Model selection – Ensemble methods – Logistic regression, Clustering, Classification (SVC, kNN), Decision trees/random forests – Webscraping
- Taught Data Analytics to corporate clients.
SQL (Postgres) – VBA – Visualisation/Power BI

NEW ECONOMICS FOUNDATION | ECONOMIST

Jun 2017 – Nov 2017 | London

- Designed and ran quantitative economic and statistical analyses.
Python (Jupyter Notebook) – Pandas – Matplotlib and Seaborn – Javascript for mapping and visualisation (Leaflet.js)

UCL SSEES | TEACHING FELLOW

Sep 2016 – Jun 2017 | London

- Course director for *Quantitative Methods* and *Game Theory*.
- Supervised Bachelors theses and marked & moderated Masters theses.

UNIVERSITY OF BRISTOL | SENIOR TEACHING ASSOCIATE

Jan 2016 – Aug 2016 | Bristol

SKILLS

TECH

Python • Postgres & SQL
Kubernetes • Docker
AWS • Apache Airflow
Bash • Vim
Javascript • Node.js • React
60k rep on StackOverflow

TEACHING

- Taught web development, data science and statistics
- Lectured and designed courses in maths, quantitative research and economics
- CELTA-qualified experienced English teacher.

LANGUAGES

English (native) • German (advanced) • French (working proficiency)

EDUCATION

UCL

2012-2015 | London

PHD GLOBAL MATHEMATICAL MODELLING

Economic modelling, Data, Mapping/GIS, Visualisation, Python, Javascript

FRANKFURT UNIVERSITY

MSc QUANTITATIVE ECONOMICS

2011 | Frankfurt, Germany
Econometrics, macro, micro
Dissertation on natural disasters and economic development.

WARWICK UNIVERSITY

MENG ELECTRONIC ENGINEERING

2004 | UK

2:1

HILLS ROAD COLLEGE

A-LEVELS

Maths, Physics, Chemistry
1999 | Cambridge, UK
Three 'A' grades

LINKS

StackOverflow:// [londonrob](#)

Github:// [roblevy](#)

LinkedIn:// [rglevy](#)

Teaching aids: [bit.ly/rl_ucl](#)

- Ran classes on STATA, maths and economics

UCL | PHD AND POSTDOC

May 2012 – Dec 2015 | London

- Large-scale research project involving huge database of trade data (Postgres and PostGIS), complex mathematical/statistical analyses (Python/Pandas/Numpy/R), and interactive visualisations (Javascript with D3.js)

MAJOR FINANCIAL CLIENTS | DATA CONSULTANT

Jun 2010 – Mar 2012 | Frankfurt and London

- Managed large-scale data migration SQL, automated with VBA
- Created a SQL-Server database for Bloomberg financial transaction data

ACCENTURE | ANALYST

Feb 2008 – May 2009 | London

- SQL Server, SSRS, SSIS, querying & performance

DATASCOPE RECRUITMENT | DATABASE ENGINEER

July 2007 – Jan 2008 | London

- Database consultancy and web coding (HTML and CSS)

i2 | SOFTWARE SUPPORT ENGINEER

Oct 2004 – Feb 2006 | Cambridge

- Database support and troubleshooting. Access VBA coding.

CERTIFICATES

2013 Outstanding contribution to teaching – Economics dept. UCL

2009 GRE test – Verbal: 600 (85th %ile), Quantitative 800 (94th %ile)

SOCIETIES

2013/14 Chairman University of London Chamber Choir

2014/15 Performer Bright Club stand-up comedy for academics