

Company: Channel 4

29-Nov-17

Job Title: Senior Data Scientist

Reports to: Chief Data Scientist

Company

Channel 4 is publicly-owned (like the BBC), but commercially-funded by advertising. We exist to provide [a unique public service without costing the taxpayer a penny](#) - to provoke debate, encourage diversity, take creative risks and inspire change.

We believe you can have fun and be good for society, from [Hollyoaks](#), [Gogglebox](#), [Father Ted](#) and [Naked Attraction to the Paralympics](#), [Benefits Street](#) and [The Handmaid's Tale](#).

Team

The Data Science team builds machine learning products that have made Channel 4 better to watch, and make millions each year.

We work with big and varied datasets (billions of views, millions of users, natural language subtitles, and video) with modern tools (Python, Spark, AWS), on problems ranging from recommendations to clustering to NLP to image classification.

Role

As Senior Data Scientist, you will be the Tech Lead on at least one of our main projects, with considerable autonomy in how you run things.

You'll manage and mentor junior data scientists, become a domain expert in multiple areas, and play a central role in our internal training programme.

You'll work with the other senior members of the team to shape the strategic direction, and work with internal business stakeholders to decide on and design new products.

You'll have the opportunity to present our work, and to see the impact it has on the business and on millions of viewers.

Requirements

You are experienced in applying machine learning to a variety of problems, and in building software to a high standard.

You know Python well (or multiple other languages, e.g. R, Matlab, JavaScript, Java, C++).

You know SQL, Spark, or other tools for wrangling large datasets.

You have strong computational, mathematical, statistical or other quantitative skills.

You have brought complex data-related projects to fruition and shown their value, e.g. built products that other people use, generated tangible business results, provided insights that have shaped decisions, written a dissertation, published in peer-reviewed journals, contributed to open source projects, written things that have been widely read, spoken at

conferences/events, or similar.

You take responsibility, you learn from your mistakes, and you're always looking to improve.

You want to help others around you develop and succeed.

You communicate well, in both speech and writing.

You are interested in creatively using technology to solve business problems.

It would be a bonus if

You have managed successful teams or projects.

You're comfortable with Git (or other version control), Linux (or similar), AWS (or similar).

You have experience with deep learning, classification, recommendation engines, optimisation, AB testing, complex visualisations, forecasting, NLP, ensemble models, Bayesian approaches, active learning, image recognition, or sentiment analysis.

You're comfortable writing HTML, JavaScript and building for the web.

More about us

We are a diverse, motivated team of 15, including junior and senior data scientists, product managers, and students (through our UCL Masters/PhD collaboration).

We use machine learning and data in inventive ways to have a measurable impact on the business - by increasing revenue, improving the viewer experience, or making things more efficient.

In order to grow and develop:

- We run weekly Lab Meetings (a mix of journal club and forum for discussing project results).
- We spend one day a month as a team, diving into particular skills and techniques (from software design to visualisation to cross-validation), and using hackathons to try out ideas and practice new styles of collaboration.

Channel 4 is a positive and supportive place to work, and we care about each other as a team - in our weekly (anonymous) team happiness surveys, we score 87% on team relationships and fairness & respect.

Application

We offer a competitive salary and benefits package.

You'll have three interviews with members of the team, and we will ask you to complete and discuss a short technical task.

[We want what we do and who we are, to truly reflect the diversity of Britain today](#), so we welcome applications from people who meet the criteria regardless of background, educational attainment or location.

We will aim to be responsive, and won't leave you hanging.

We look forward to hearing from you!