Data Engineer, Hotels.com

London, UK

Every day we need to know what to pay for traffic on each of our hundreds of thousands of properties across 50+ points of sale. To make those decisions at scale we have data scientists who build statistical models to predict the value we can expect under various different scenarios. Which is where you come in. Your job is help to take those predictions, combine them with other information we might have about the auction (for example our partners often provide bid recommendations), and translate those predictions into actual bids. To do this, you will:

- Help design, build, maintain and operate the data pipeline that runs our bidding platform
- Work with the team to devise, implement and test new tactics and strategies
- Build rapid prototypes to enable quick feedback through our A:B test framework
- Help understand performance and results, and think of new ways to visualise our data
- Come up with ideas for new sources of insight and help integrate new datasets
- Help the team deliver our P&L targets whilst meeting our ROI expectations

You will report to the Hotel.com’s Director of Partner Marketing, working closely with the Director of Optimization and Technology and his team.

About you:

- We want you to come with passion, creativity, expertise, openness, flexibility and drive, but above all a desire to learn and keep learning
- You care deeply about technology, want to get your code just right, are not afraid to refactor and explore alternative solutions, but when push comes to shove you know that ‘Real artists ship’
- You want to move fast and if necessary break things – our partners are ever-changing and constantly refining the rules of the game so we’re always aiming at a moving target
- You care about the impact of what you do. We build software not for its own sake (though we have a true appreciation of the craft), but to put the right hotels in front of the right people at the right time in our efforts to make them happy and hopefully loyal customers
- We want you to want to understand the big picture and how your work makes a difference

We live, eat and breathe travel revolutionised by technology. We work hard and play hard. We’re never satisfied. We celebrate success and if we fall short we pick ourselves up, learn what we can, and try and try again.

Your background:

Required:

- Degree with strong analytical focus (Computer Science, Mathematics, Engineering, Statistics etc)
- Fluent in python, moderate to advanced in SQL
- You can talk about code that you designed and built yourself, although you need to be able to code in a team too
- Great problem solving and analytical skills combined with the ability to explain concepts to both technical and non-technical audiences
- Ability to prioritise, communicate and deliver in the face of complex projects and time-sensitive deliverables

**Highly desirable:**

- Familiarity with python’s core big data / data science libraries: e.g. IPython, pandas, numpy, matplotlib/ggplot, statsmodels, scikit-learn, theano, PyMC etc
- Experience building big data pipelines with e.g. luigi, oozie, azkaban
- Experience doing ETL and a solid understanding of database design
- Familiarity with core Hadoop technologies: e.g. hive, pig, spark
- Experience with online technologies and ecommerce

**Nice to have:**

- Track record of contributions to open source projects
- Experience in web front ends and/or data visualization: e.g. Django / Angular / Tableau / d3.js / Highcharts
- Experience in other data-related languages/tools: R / SAS

https://www.statsjobs.com/jobs/data-engineer-hotels-com/