Senior Data Scientist

Office Location | Cambrdige, MA

The Company

Reputation Institute powers the world's most reputable companies. By tracking and analyzing stakeholder perceptions, we unleash the power of reputation to enable leaders to build better companies. Our RepTrak® model analyzes the reputations of companies and is best known as the Forbes-published Global RepTrak 100. Underlying the model is the RepTrak® methodology, the global gold standard for measuring reputation.

As the world's leading provider of stakeholder measurement, membership and management services, RI works with global brands like BMW, Lego, Pfizer, P&G and SAP. For 20 years, RI has been at the front lines of brand and reputation management, and now fueled by new investments and the success of our team members and partners in 40 countries, we are planning to aggressively grow our US operations in 2018.

Known globally as the reputation experts, RI delivers our data, insights and best practices through hands-on client engagements, subscription services, and our Reputation Leaders Network (RLN) events and executive training. Over the this year, we also plan to launch new SaaS tools and add-ons that bring our stakeholder benchmark data to new markets and popular analytics platforms.

The Role

The Senior Data Scientist is the key position within the Reputation Institute's technology team and the individual will be responsible for qualitative and quantitative data analysis. This position's primary focus is to correlate multiple datasets (legacy data, Social, Financial, Risk Index, CRM etc.) to extract actionable insights using statistics and machine learning techniques. Individuals within the Data Scientist role will be responsible for data modeling, discovering insights and identifying opportunities through the use of statistical, algorithmic, mining and visualization techniques. In addition to advanced analytic skills, this role is also proficient at integrating and preparing large, varied datasets, architecting specialized database and computing environments, and communicating results.

The role will include:

Specific Responsibilities include:

- Five years of professional experience working as a Data Scientist
- Master's degree or PhD from an accredited college/university in Computer Science, Statistics, Mathematics, Engineering (strong mathematical background with ability to understand algorithms and methods from a mathematical viewpoint and an intuitive viewpoint)
- Knowledge of Python, Social Media and Financial online data integration is a plus

- Experience with command-line scripting, data structures and algorithms and ability to work in a Linux environment, processing large amounts of data in a cloud environment
- Strong knowledge in one of the following fields: data visualization, statistical modeling, data mining, or information retrieval, data extraction and processing, using MapReduce, Pig, and/or Hive preferred
- Perform machine learning, natural language processing, and statistical analysis methods, such as classification, collaborative filtering, association rules, sentiment analysis, topic modeling, time-series analysis, regression, statistical inference, and validation methods
- Build sentiment analyzers and classifiers for unstructured and semi-structured data
- Drive client engagements focused on Big Data and Advanced Business Analytics, in diverse domains such as product development, marketing research, public policy, optimization, and risk management; communicate results and educate others through reports and presentations
- Ability to work in the country is required.

Professional Qualifications

This position requires Master's degree or PhD from an accredited college/university in Computer Science, Statistics, Mathematics, Engineering (strong mathematical background with ability to understand algorithms and data modelling concepts). Experience with Linux, Big Data methodologies, BI concepts, Social Media Data, and cloud management systems is a must. This is a full-time position and candidates must be willing to work on-site at our Cambrdige office during the work week.

The candidate should have experience working with natural language processing as well as experience working with machine learning libraries, for example xgboost, Spacy, TextBlob, Tensorflow, Keras, sklearn, among others.

Its Nice to have knowledge in Database Technologies (SQL, MongoDB, ElasticSearch, Neo4J).

The candidate must also have had substantial experience working on strategy or full-life cycle data science as well as experience working with data mining tools such as Python, SPSS, and R. A suitable candidate for this position will also have had experience in data mining, rules based models and predictive modeling inclusive of linear and non-Linear regression, logistic regression, and time series analysis models.

The candidate will also have had experience working with deep learning algorithms and large datasets as well as experience working with unstructured data and experience cleaning and manipulating data.

Strong expertise in agile development

An ideal candidate will possess:

- Superior interpersonal skills including speaking and written communications.

- Language Fluency: Professional Level English (Required)

- Willingness to travel if necessary

- Legal ability to work in the Spain

Compensation

The **Senior Data Scientist** compensation includes a competitive base salary, annual performance bonus and a comprehensive benefits package. Reputation Institute is committed to diversity in the workplace and is an Equal Opportunity Employer.

For more information about the firm, please visit our website at www.reputationinstitute.com.

Please address all cover letters and resumes to Tammy Olsen, VP of Global Human Resources, recruiting@reputationinstitute.com.
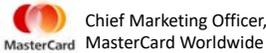
Hear what our clients and team say about RI

RI is the best place to grow as a professional. We work hard and we have fun doing it. Simply put, we are the Gold Standard of reputation management. Our Founders literally wrote the book on it and our clients sing our praises.

CAREER OPPORTUNITY

What organizations say about RI!

"Our CEO now utilizes quarterly general-public reputation measures in 15 countries consolidated into a single dashboard to report to our Board. Reputation Institute's framework has helped us understand our stakeholders."
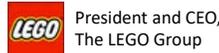
MasterCard — Chief Marketing Officer, MasterCard Worldwide

Expertise

Honest   Integrity

RepTrak®   Trust

"We believe the survey is a great way to measure how we perform as a company and we remain dedicated to continue to live up to the expectations children, parents and other stakeholders have on us."

LEGO — President and CEO, The LEGO Group

"To be ranked among the most reputable companies is a great honor, and a reflection of what our 325,000 team members strive to deliver every day."

FedEx — SVP Integrated Marketing and Communications, Fedex

Global   RLN

"A large part of Levi Strauss & Co.'s successful 162-year history is our commitment to quality apparel that never goes out of style and an unrelenting focus on innovation."

Levi's — President and Chief Executive Officer, Levi Strauss & Co.

Teamwork   Advisor

"We believe reputation is built on our commitment to customers to provide quality, innovative products and back them with integrity."

JOHN DEERE — Director, Global Public Relations, John Deere

"Bacardi strives for continuous progress and improvements in everything we do. It's very rewarding to see that we are making real strides in corporate governance, innovation, reputation and overall citizenship with others around the world taking notice. A three-point jump in just one year to the number 90 spot in the Global RepTrak 100 rankings is extremely satisfying."

BACARDÍ — CEO, Bacardi Limited

What our team says about RI

"To me, RI is an opportunity to create a legacy in reputation measurement and management. The chance to do great work, be great, and expand upon our reputation as the gold standard in our field of reputation."

"We share the same financial goals – and we show each other the respect deserved. We have a spirit of we win together. No one person can claim all the success and no one person takes all the blame."

"One RI is a mindset, a way of working, and a collective goal. Globally we need to unite around a common purpose and to collectively work towards the same outcome. "

ONE RI

"It means transparency, collaboration and partnership across offices and departments."

"A better system of communication and transparency. I do know that geographical distance presents an issue, but I do believe that it will be of high value if we learn more about the people in different offices."

"I recently joined RI and from my vantage point One RI means that although we are dispersed throughout the globe we share a single vision."

For more information about the firm, please visit our website at www.reputationinstitute.com