Job Title: Associate Data Scientist  
Location: Madison, WI  
Position Type: Full Time (40 hours per week)

Job function:
The term “Big Data” is used to describe a wide variety of challenges and opportunities. At a high level, the term recognizes the enormous quantity of electronic data that can be collected from sources throughout the Internet and in everyday commercial, educational, governmental and social environments. The key to unlocking value in big data is the ability to organize, analyze and synthesize information in a way that addresses customer needs.

The general objective of data scientists at comScore is to extract useful information from big data collected from diverse sources. Information extraction will be focused on long-term issues that may or may not become part of future product offerings, short-term issues related to extensions of current offerings or immediate issues related to specific customer requests. Specific technical challenges that will be faced by data scientists include but are not limited to:

- Dealing with highly distributed data sources,
- Tracking data provenance, from data generation through data preparation,
- Validating data,
- Coping with sampling biases and heterogeneity,
- Working with different data formats and structures,
- Developing algorithms that exploit parallel and distributed architectures,
- Ensuring data integrity,
- Ensuring data security,
- Enabling data discovery and integration,
- Enabling data sharing,
- Developing methods for visualizing massive data,
- Developing scalable and incremental algorithms, and
- Coping with the need for real-time analysis and decision-making.

Data scientists will produce algorithms, models, tools, processes and configurations for analyzing and evaluating data. Other products include visualization tools, reports, technical papers and other means for conveying the results of analyses.

Why start your career with us:
comScore is at the cutting edge for analytics and measurement of digital and TV providing opportunities for individuals to grow professionally and personally. The rapidly changing landscape of media requires comScore to continuously improve what and how we service our clients. comScore collects data from diverse sources on over 2T transactions on a monthly basis, which affords data scientists with a rich starting point for investigations. You will grow technically, learning a mix of technical and analytical skills to advance your career. You will learn how to solve data problems across teams to drive comScore’s products forward. You will get exposure to senior leadership every day, gaining deep knowledge of all the digital eco-system. You will work with an energetic team with a wide range of skills and learn from your colleagues every day.
Problems we are solving:
What, where, and when do people consume content? How do adversaries perpetrate fraud? Which publishers and platforms are changing the behavior of consumers? How and where is traditional TV viewing shifting towards computer and mobile devices? What is the total audience for publishers with fragmented content across TV, computer, mobile and other devices?

About our team:
We’re a small but powerful team of data experts, analyzing multiple terabytes of data each day to deliver product and research solutions to our clients. We use SQL, Hadoop, Python, Matlab and many other tools every day. We work with other data analysts, Product Management on what problems to solve and collaborate with Engineering and Stats teams to solve problems. We use tools like Slack and Trello to communicate effectively. We love to laugh and we appreciate a sense of humor. We love to learn and love tackling hard problems.

JOB DESCRIPTION

ESSENTIAL DUTIES & RESPONSIBILITIES:

• Develop methodology and create measurement solutions for emerging digital platforms’ new products.
• Evaluate new methodological and data science approaches and integrate into production environments through a sprint development process.
• Build custom solutions to meet market needs for measurement that help clients solve new problems and better understand audiences and their advertising efforts.
• Participate in ongoing research and evaluation of new technologies.
• Exercise your experience in the analysis and development lifecycles through design, development, testing and deployment of this system.
• Collaborate with teams in Analytics, Software Engineering, Operations, and Product Management to deliver timely and quality data. You will be the knowledge expert, delivering quality data and analyses to our clients.

QUALIFICATIONS:

• Bachelor, masters or Ph.D. degree in a quantitative subject such as Computer Science, Math, Statistics, Engineering, Economics, etc. Experience in data analysis and problem solving with big data.
• Experience with SQL or knowledge of relational databases and methods for efficiently retrieving data.
• Ability to think creatively and solve complex problems.
• Ability to autonomously manage simultaneous projects in a fast paced business environment.
• Excellent verbal, written and computer communication skills with strong analytical and troubleshooting skills.
• The nature of the team’s dynamics will require an individual that is able to work closely in a collaborative role with other team members, as well as complete tasks individually as assigned.

Preferred:
• Hadoop or other comparable MapReduce experience.
• Ability to develop advanced solutions in Python or other scripting language.
• Experience with statistical software (ideally, R) or scientific computation software.
• Experience with panel data and/or Internet behavior data.
• Solid understanding of object oriented methodologies.

About comScore:
Founded in 1999 and headquartered in Reston, Virginia, comScore, Inc. (NASDAQ: SCOR) is a global media measurement and analytics company that makes audiences and advertising more valuable.

We help media buyers and sellers understand and make decisions based on how consumers use different media, such as TV, video, mobile, desktop and more. Through its products and partnerships, comScore helps its more than 2,500 clients understand their audiences, know if their advertising is working, and access data where they want and need it.

EOE Statement: We are an equal employment opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, sex, disability status, sexual orientation, gender identity, age, genetic information, protected veteran status or any other characteristic protected by law.

To Apply:
Please send all applications to campusrecruiting@comscore.com by Sunday, October 18th in order to be considered for this position.

comScore
11950 Democracy Drive
Suite 600
Reston, VA 20190
www.comscore.com