Data Scientist, Auction.com

Summary:
Auction.com is looking for a Data Scientist who will support the organization with insights gained from analyzing company data. The ideal candidate is adept at using large data sets to find opportunities for product and process optimization and using models to test the effectiveness of different courses of action. They must have strong experience using diverse data mining/data analysis methods, using a variety of data tools, building and implementing models, using/creating algorithms and creating/running simulations. They must have a proven ability to drive business results with their data-based insights. The right candidate will have a passion for discovering solutions hidden in large data sets and working with stakeholders to improve business outcomes.

Responsibilities:

- Work with stakeholders throughout the organization to identify opportunities for leveraging company data to drive business solutions.
- Mine and analyze data from company databases to drive optimization and improvement of product development, marketing techniques and business strategies.
- Develop custom data models and algorithms.
- Use predictive modeling to increase and optimize customer experiences, revenue generation, ad targeting and other business outcomes.
- Coordinate with different functional teams to implement models and monitor outcomes.

Basic Qualifications:

- Bachelors or Masters in Statistics, Mathematics, Computer Science or another quantitative field
- 2+ years of experience in a Data Science role
- Strong problem solving skills
- Knowledge of a variety of machine learning techniques: clustering, decision tree learning, neural networks, etc. and their real-world advantages/drawbacks.
- Knowledge of advanced statistical techniques and concepts: regression, properties of distributions, statistical tests and proper usage, simulation, modeling, scenario analysis, and experience with applications.
- A drive to learn and master new technologies and techniques.
- Experience using statistical computer languages (R, Python, Matlab, Mathematica, SAS, SPSS, etc.) to manipulate data and draw insights from large data sets.
- Experience with distributed data/computing tools: Map/Reduce, Hadoop, Hive, Spark
- Experience creating SQL queries for ETL and reporting
- Basic understanding of command line tools
• Understanding of data preparation, feature engineering, and imputation strategies for missing data

Preferred Qualifications:

• 5+ years of experience in a Data Science role
• Masters or PhD in Statistics, Mathematics, Computer Science or another quantitative field
• Exposure to data science problems in the real estate and mortgage industries
• Experience with software for mapping applications, and geostatistics
• Experience with text mining tools, natural language processing, and regular expressions
• Experience with mathematical programming: AMPL, CPLEX, Gurobi, GLPK, GAMS, Mosek, or similar tools
• Experience with Python image processing libraries
• Coding knowledge and experience with other software languages: C, C++, Java, Go, JavaScript, etc.
• Exposure to tools used to put models into production with data engineering: Oozie, Docker, Jenkins, software APIs
• Experience with time series analysis
• Experience analyzing data from 3rd party providers: Google Analytics, Site Catalyst, Coremetrics, Adwords, Crimson Hexagon, Facebook Insights, etc.
• Experience with collaboration tools for data science teams: JIRA, Github