Data Scientist – Search, Information Retrieval & Recommendations

Primary Function

Data Science applications under the Grainger Technology Group spans E-commerce Search, Recommender Systems, Information Retrieval Systems and Visual Search. Projects often encompass research, problem solving, model development, testing, scaling and implementing in production.

As a Data Scientist at Grainger belonging to the Search and Information Retrieval Team
you will be working on some of the organization's most important priorities for the next few years. You will help develop machine learning and deep learning models and APIs that go towards building world class ML solutions in the MRO space.

Primary Duties and Responsibilities

- Conduct data analysis that's actionable
- Build ML code that's maintainable and re-usable with a high-level programming language such as Python or Java
- Design, validate and evaluate Machine Learning solutions using Python, SQL and other programming tools
- Possess outstanding communication skills and interest in collaborating with other scientists and engineers

Required Skills and Qualities:

- 2+ years of experience with Python/R
- Masters/PhD in relevant field (computer science, engineering, mathematics, physics, economics)
- Very strong data analysis chops
- Proficient with SQL
- Experience in working with version control tools like GitHub/Bitbucket
- Skills to work with large, complex, and disparate data (accessing, connecting, and analyzing)
- Experience training machine learning models in frameworks like PyTorch and TensorFlow
- Deep understanding of modern machine learning techniques and their mathematical underpinnings, such as classification, clustering, optimization and deep neural networks
- Excellent written and verbal communication skills
- Ability to handle multiple priorities against deadlines
- Curiosity, enthusiasm, positive attitude and passion to build.
- Willingness to learn and research new concepts

Preferred Qualifications

- NLP, Text Modeling and Text Mining Background
- Experience productionizing real-time machine learning models
- AWS ML Engineering Certificate
- Experience with cloud compute (i.e. GCP, AWS), schedulers (i.e. Airflow), and containerization (Docker) and Orchestration (Kubernetes)