Job Title: 3M HIS Specialist Data Scientist (3M HIS offices)

3M is seeking a Specialist Data Scientist for the 3M Health Information Systems located in St. Paul, MN / Murray, UT / Silver Spring, MD.

Most Recent great-news / Awards: 3M received recognition as being A Most Ethical Company! Promoting Ethical Business standards and practices internally, enabling managers and employees to make good choices, and shaping future industry standards by introducing tomorrow's best practices today. Honorees have historically out-performed others financially, demonstrating the connection between good ethical practices and performances that's valued. To View this recognition, please visit:  http://bit.ly/EthisphereWorldsMostEthicalCompanyAward

Diverse & Inclusive 3M
3M is a place where you can collaborate with other curious, creative people. Where your diverse talents, inclusiveness, initiative and leadership are valued. Where you'll find challenging opportunities that make your career exciting and rewarding. With a diversity of people, global locations, technologies and products, 3M is a place to grow and be rewarded for excellence.

What it's like to work in the Data Science Lab:
The 3M HIS Data Science Lab is the "forward looking lab" in the 3M Health Information Systems (HIS) organization and therefore our responsibility is to identify and develop new technologies within the organization. Our mission is to “Improve healthcare through developing new technologies that leverage data analytics and algorithms" The successful candidate will be responsible for leading new technology development in the area of healthcare analytics. Many of the projects that we pursue are "high risk" with "high potential" and require a significant amount of courage and energy for completion. We are looking for passionate, hardworking, intelligent colleagues to join our high-performing research and development team.

Leading a project in the lab involves background research on the customer needs (VOC), algorithm development (research papers) and working with the business units. The candidate will be required to write the code for the models (and/or analytics) for the new technology development. Model performance will be evaluated against real customer data. The candidate is expected to understand how to test, evaluate and present the performance of their models to the lab, peers, business units and customers. Technology development in the lab ranges from advanced statistics (e.g., regression models) to machine learning. As technology development progresses and business value is evaluated the successful candidate will work closely with the product team lead to integrate and merge the technology into the product. This relationship starts early and becomes progressively more collaborative as value and success are realized.

Primary Responsibilities include but are not limited to the following:
• Applied research scientist position, responsible for R&D in Machine Learning (ML), Advanced Statistics.
• Research and develop clinical data models to enhance 3M's clinical data analytics platform.
• Ensure 3M HIS's data analytics capabilities are current with the state-of-the-art.
• Represent 3M HIS in the broader machine learning community, to partners, and to clients.

Basic Qualifications:
• Bachelor's Degree or higher from an Accredited University and/or combined experience of a minimum of seven (7) years of Algorithm Development and Software Engineering in Machine Learning, Statistics, or Numeric Methods lieu of the education requirement
• Minimum of five (5) years Algorithm Development and Software Engineering in Machine Learning, Statistics, or Numeric Methods (Coursework Experience included)
Preferred Qualifications:
- Master’s Degree or higher from an accredited university
- Ph.D. in Computer Science, Electrical Engineering, Applied Math in Machine Learning
- Medical field experience, ideally including experience with the output of NLP systems such as cTAKES
- Experience applying machine learning technologies in a large-scale industrial production environment, especially including deployments to cloud infrastructure
- Strong verbal and written communication skills
- Python, Java, C++ or C# development experience
- Strong planning and time management skills
- Excellent analytical and problem solving skills
- Highly self-directed and able to manage and prioritize multiple concurrent and competing or conflicting challenges and issues
- Demonstrated team player with results-oriented track record
- Experience with distributed analytics software such as Hadoop

Location: St. Paul, MN / Murray, UT / Silver Spring, MD
Travel: May include up to 10% travel domestic
Relocation: Is not authorized

About 3M
Do you see the world differently? Are you inspired by how a simple shift can result in big change? Do you share your ideas in the hopes of coming up with something even better by working together? Then join 3M! With 88,000 people around the world in more than 70 countries and $30 billion in sales, 3M is committed to building on our rich heritage by bringing our best to the innovations we create. Be part of improving how people live and work every day. Be part of what’s next at 3M! Follow us @3MCareers and learn more at YouTube.com/3MCareers.

Benefits Information:
The position is subject to the benefit package under 3M Health Information Systems benefits program. Details will be shared with you at the time of interview with the hiring manager. Please ask your recruiter for details.

3M is an equal opportunity employer. 3M will not discriminate against any applicant for employment on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or veteran status.