Machine Learning Engineer to Begin Working in 2023

Collaborate with Innovative 3Mers Around the World
Choosing where to start and grow your career has a major impact on your professional and personal life, so it’s equally important you know that the company that you choose to work at, and its leaders, will support and guide you. With a diversity of people, global locations, technologies and products, 3M is a place where you can collaborate with 96,000 other curious, creative 3Mers.

“A long-lasting career at 3M comes from having vision, imagination and the ability to see what doesn’t exist. 3Mers are groundbreaking innovators and it’s important that we give every person the space for disruptive and creative thinking.” – John Banovetz, senior vice president and chief technology officer at 3M

The Impact You’ll Make in this Role:
Machine Learning Engineers develop digital products and solutions capitalizing on 3M’s unique advanced technologies, and global reach. At 3M, our Machine Learning Engineers develop real-world solutions and collaborate with health care leaders to transform health information into actionable insights.

Here, you will make an impact by:
• Leading innovation and creating solutions via machine learning to solve complex challenges in the healthcare space.
• Researching, designing, implementing, and optimizing machine learning / deep learning models and pipelines.
• Coordinating with ML Researchers to help support tasks such as ETL, model training, evaluation and deployment, job monitoring and reporting.
• Utilizing cloud-based architecture and components to optimize training, locate bottlenecks, and improve throughput and scalability.

Your Skills and Expertise
To set you up for success in this role from day one, 3M is looking for candidates who must have the following qualifications:

• Currently possess or are in the final year of pursuing a Master’s degree in a science or engineering discipline from an accredited institution

Additional qualifications that could help you succeed even further in this role include:

• PhD (completed and verified prior to start) from an accredited institution in Machine Learning, Computer Science, information science or related fields.
• Experience programming in languages such as Python or Java
• Experience with Machine Learning in academia or industry
• Experience with Unix/Linux environments
• Experience in Natural Language Processing, deep learning technology or related fields.
• Solid software development experience and problem-solving skills.
• Ability to develop and operate machine learning solutions on training, testing, and production systems
• Hands-on experience with ML toolkits such as PyTorch, TensorFlow, MLFlow, and Pyspark
• Hands-on experience with AWS
• Strong scientific and technical acumen, with demonstrated interest and ability to make connections between science/technology and real-world concerns
• Ability to deal with the ambiguity of early stage scouting and evaluation of new opportunities and the flexibility to change direction as additional information becomes available
• Demonstrated scientific excellence as evidenced by publications and presentations
• Strong performance working in a team environment

Please submit your application using your full detailed CV instead of a one-page resume.

Travel: May include up to 10% domestic/international
Relocation Assistance: May be authorized

Responsibilities of this position may include direct and/or indirect physical or logical access to information, systems, technologies subjected to the regulations/compliance with U.S. Export Control Laws.

U.S. Export Control laws and U.S. Government Department of Defense contracts and sub-contracts impose certain restrictions on companies and their ability to share export-controlled and other technology and services with certain “non-U.S. persons” (persons who are not U.S. citizens or nationals, lawful permanent residents of the U.S., refugees, "Temporary Residents" (granted Amnesty or Special Agricultural Worker provisions), or persons granted asylum (but excluding persons in nonimmigrant status such as H-1B, L-1, F-1, etc.) or non-U.S. citizens.

To comply with these laws, and in conjunction with the review of candidates for those positions within 3M that may present access to export controlled technical data, 3M must assess employees' U.S. person status, as well as citizenship(s).

The questions asked in this application are intended to assess this and will be used for evaluation purposes only. Failure to provide the necessary information in this regard will result in our inability to consider you further for this particular position. The decision whether or not to file or pursue an export license application is at 3M Company's sole election.

Supporting Your Well-being
3M offers many programs to help you live your best life – both physically and financially. To ensure competitive pay and benefits, 3M regularly benchmarks with other companies that are comparable in size and scope.

Resources for You
For more details on what happens before, during and after the interview process, check out the Insights for Candidates page at 3M.com/careers.

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, age, disability, or veteran status.