

Data Scientist/Cheminformatician - Glasgow or remote

About Us

DeepMatter is a digital company focused on developing combined chemistry, hardware and software solutions leading to chemistry's ultimate digitisation; think "Big Data Meets Chemistry".

As a young, vibrant, high-growth technology company, released from academia, we are expanding our development team based in Glasgow with keen, energetic, talented, engineers, scientists and technologists who share our passion and vision.

We are looking to expand our Data Science team with a motivated Data Scientist, for a Q3/Q4 2021 start. We offer candidates the ability to develop models which can truly revolutionise an industry, enabling them to have a lasting impact on chemistry in the digital age.

The Role

We are looking for enthusiastic graduate data scientists/analysts to support our lead data scientist in developing industry-disrupting algorithms for use in our DigitalGlassware™ platform. The role entails working with both time-series sensor data and our internal chemistry databases, to develop models which will have tangible benefits to chemists in laboratories across the world. This covers not only deployment of your algorithms to the front-facing user, but also high-level modelling of chemical reactions and developing an understanding of what makes some reactions succeed and some fail.

As a data scientist, you will have a good understanding of your field, and are expected to continue to develop your skillset through research, application and reading, and bring this knowledge to the company. You will prepare data, develop models on it and then robustly evaluate the outcomes before deployment, with continuous refinement once it is in user's hands.

We are a close-knit company, and cross-departmental collaboration is common, meaning you will build a knowledge of the wider business and associated technologies out with the Data Science team. Internally, Data Science is an open-minded group, where your input and ideas are not only welcome but expected and encouraged. Our data science team is based in Glasgow, however remote candidates will be considered.

Required Skills & Experience

- 1:1 or 2:1 in a STEM related discipline, or relevant industry experience
- Excellent, demonstrable understanding of AI, machine learning and statistics
- Strong Python skills (pandas, numpy, sklearn, Jupyter notebooks etc.)
- A general capability to work with data of all forms (textual, tabular, SQL, NoSQL, JSON etc.)
- An ability to determine which algorithms and techniques are appropriate for a given problem (not every problem requires a deep neural net!)
- Able to work with and clean real-world datasets which may contain noisy signals
- Knowledge of time-series processing, in a multivariate context
- Good communication skills and ability to work with other teams to achieve tangible outcomes

Desired Skills & Experience

- Cheminformatics background and familiarity with associated toolkits (RDKit, KNIME etc.)
- Experience with modern NLP techniques (GPT, BERT) and associated frameworks is advantageous (SpaCy, PyTorch etc.)
- Exposure to computer vision and audio processing techniques (Fourier transforms, wavelets etc.)

- Knowledge of general deep learning is useful but not required (CNNs, GANs, LSTMs)
- Java or similar, and the associated build-deploy lifecycle
- Git or other version control software
- Use of Linux and Google Cloud Platform

Salary and Benefits

- Competitive Salary
- Flexible working
- 25 days annual leave
- 12 public holidays
- 4% employer pension contribution

To apply please email your CV to careers@deepmatter.io

It should be noted that all offers of employment at DeepMatter are subject to completion of satisfactory references and your right to work in the UK.