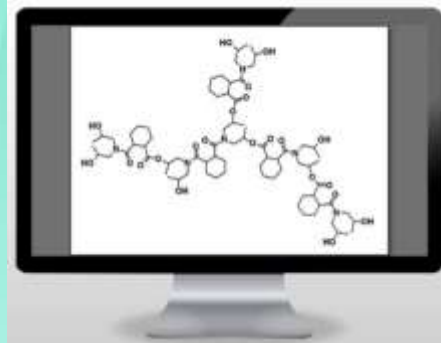




deepmatter®



WE'RE HIRING A DATA SCIENTIST/CHEMINFORMATICIAN BE PART OF A FUTURE-FOCUSED COMPANY REDEFINING AN ENTIRE SECTOR

ABOUT DEEPMATTER

DeepMatter® aims to revolutionise chemistry through its integration with technology to enable a greater use of artificial intelligence and ultimately facilitate the autonomous synthesis of new molecules through robotics. Sitting at the heart of this is data. The increasing digitalisation of the life science and chemistry markets means organisations are collecting more data, requiring confidence in that data and wishing to create value from that data.

DeepMatter has developed and is commercialising data rich platform technologies, including software integrated with laboratory hardware, with the ability to collect ubiquitous and novel data, clean up and structure the data whatever the source, and apply machine learning analysis to enable actionable knowledge – thereby increasing productivity, discovery and compliance gains.

We are a vibrant, high-growth technology company with our offices based in Glasgow, Munich and many employees remote across Europe.

THE ROLE

We are looking for enthusiastic graduate data scientists/cheminformaticians 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.

KEY RESPONSIBILITIES

- Assist in ongoing development of the data analysis pipeline
- Create statistical or machine learning-based tools and processes to deliver insight
- Manage algorithms and models from inception through to delivery
- Mine and iteratively improve internal and third-party datasets for insights
- Provide bespoke analyses for customers to improve their outcomes
- Liaise with product, software and hardware teams to refine data capture strategy and content
- Communicate results and ideas to key decision makers

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
- Java or similar, and the associated build-deploy lifecycle
- 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 (Tensorflow, CNNs, GANs, LSTMs)
- Git or other version control software
- Use of Linux and Google Cloud Platform

COMPANY BENEFITS

- Generous holiday allowance
- Choice of Mac or PC
- Flexible working – work when you want, where you want with our ‘core-hours’ scheme
- Flexible on location, with travel to our offices (Glasgow, Munich)
- Generous Refer a friend scheme
- Enhanced parental leave
- Tax advantageous schemes such as gym/equipment reimbursements (wellness subsidy scheme)
- Business travel insurance
- Company outings, off-sites and events throughout the year
- Complimentary snacks and drink in our offices (you can enjoy these on our roof terrace in our sunny Glasgow office!)



HIRING MANAGER

David Pattison

Data Science Manager

Please send a CV and covering letter to careers@deepmatter.io