Dxcover Limited

Data Scientist / Software Engineer

Permanent

Salary: £36,750 - £42,000

About Dxcover

Worldwide, 26,000 people die from cancer each day. Early detection is critical for effective treatment, but many cancers go undetected for too long.

Dxcover Limited has developed a revolutionary Liquid Biopsy Platform for early detection of cancer from a simple blood sample. The technology combines infrared spectroscopy with machine learning algorithms and has been proven in two clinical studies to detect brain cancer. Patents have been granted in the USA, Europe, China and Japan for the detection of all types of cancer. The company is developing multiples tests for cancer detection with a focus on brain and colorectal cancer

Dxcover was formed in 2019 and is rapidly adding to its multi-disciplinary team to take the company through its next phase of growth. We are committed to inclusion across race, gender, age, religion, identity, and experience, and believe that diversity makes us stronger by bringing in new ideas and perspectives. We strive to create a workplace that cultivates bold innovation through collaboration to ensure that **Every Day Counts** in the quest to save lives and improve quality of life for patients and their families.

About the Role

Applications are invited for a full time 1.0 FTE permanent role as a Data Scientist / Software Engineer. This exciting role will contribute directly to the mission of Dxcover by focusing on the use of machine learning and artificial intelligence to analyse spectral data for the detection of cancer. In addition, the successful applicant will be instrumental in developing clinical software to the required regulatory standards. This role would suit applicants with the following attributes:

- Enthusiastic professionals who are committed to realising benefits for patients, patient families / care givers and the healthcare services via the earlier detection of cancer
- A PhD or 3-5 years' experience in a suitable background such chemometrics, bioinformatics, mathematics, chemistry, data analysis, computer science, statistics, or other suitable areas
- A degree in a suitable background subject such as chemistry, physics, mathematics, computer science, statistics, or relevant subject

- Knowledge and practical experience of the use and development of data analysis strategies within machine learning and artificial intelligence
- Programming experience, preferably in Python, R or C/C++
- Knowledge and practical experience of database setup, management and maintenance
- Ability to collaborate across subject domains in order to advance the project
- Excellent communication skills for internal and external communication
- Ability to write technical reports and publications to a high standard suitable for internal use and high impact journals
- Ability to plan and manage own workload with input from colleagues
- Ability to work as part of a team towards project deadlines and requirements
- Ability to work flexibly and remotely.   Home working or working in another location will be required some or all of the time

Equally important, you will be a highly effective communicator with the ability to influence business and technical teams, and with a driving passion to make Every Day Count in the fight against disease.

To apply for this role, please send your CV along with a covering letter outlining your suitability for the role to Chief Technical Officer, Prof. Matt Baker (matthew.baker@dxcover.com) or Chief Data Scientist, Dr David Palmer (david.palmer@dxcover.com). Informal enquiries are also welcomed.