BAILLIE GIFFORD

Research Engineer (Machine Learning)
Investment Department
One year fixed term contract with potential to extend

— Put machine learning theory into practice with a global leader in long-term investment management.

— Work at the heart of a small team, driving research to develop innovative solutions to real business challenges.

Founded in 1908 and based in Edinburgh city centre, Baillie Gifford is one of the UK's leading investment management firms with over £150 billion in assets under management. The firm has recently set up an inter-disciplinary team to investigate the potential of machine learning and related areas to drive innovation in long-term investing.

Currently in the early exploratory stages of this ambitious project, we are interested in understanding which parts of the long-term investment process could be better done by machines. Right now our work is focused on three areas:

— Collaborating with investors to identify problem areas in the investment process.
— Translating these problems into machine learning projects. We are very flexible here, and will use whatever machine learning approach is most appropriate to solve the problem.
— Understanding how best to quantify the success of these projects and how the outcome can be used to help Baillie Gifford develop its investment processes.

You will be the team's machine learning specialist, working closely with investment professionals and system developers to explore and shape innovative new solutions. An important part of your job will be to explain complex ideas to colleagues from a wide variety of backgrounds, so excellent communication skills are important. As this is an early stage project, you should also bring a growth mind-set and the ability to adapt as the project evolves.

Combining strong foundational knowledge with sound application experience, you will need an MSc or PhD in computer science, statistics or related quantitative subjects. A solid background in a wide array of standard machine learning techniques is also essential, along with extensive familiarity with relevant areas of statistics and probability theory, plus a good command of Python and standard machine learning libraries.

Please follow this link to apply.