



Machine Learning Researcher for Precision Medicine and Cancer Genomics

About Cambridge Cancer Genomics (CCG):

We are a leading precision medicine start-up, creating intelligent software to enable oncologists to monitor response to cancer therapy in near real-time. Our team uses applied bioinformatics, machine learning, genomics, and the experience of our associated oncologists and surgeons to bring low invasive 'liquid biopsies' to cancer clinics worldwide. We are deep in the stages of R&D with clinical partnerships in California, the UK and Singapore, where we are working to understand the clinical consequences of tumour evolution during treatment. We have completed two tranches of fundraising; first from a large Cancer Centre and the prestigious Y Combinator accelerator program and later by top UK and Silicon Valley investors, and are now focused on growing quickly.

People who join us range from academics at leading research labs at the Universities of Oxford and Cambridge (and others) to ambitious young developers and machine learning engineers. Joining CCG means joining an incredibly talented and motivated group of people that share our vision of pioneering an industry. Work at CCG is incredibly varied and we challenge ourselves daily. We work all over the world and often travel and socialize together. You'll often find us chatting through interesting problems over a coffee or beer. We are looking for people who will fit into our diverse, supportive and stimulating company team culture, who like to overcome challenges and drive the company forwards.

About the role:

You will work on different challenges that we are facing in order to provide clinical predictions based on genomic data.

Essential skills and qualifications:

- Fluent in Python (PEP8)
- Ability to write unit tests
- Experience with tensorflow, sklearn, keras, theano or similar
- Experience designing metrics and or loss functions
- Passionate about applying ML to solve biological problems
- Willing to learn and to share knowledge
- Ability to work concurrently on multiple projects
- Ability to work to tight deadlines

Desired skills and qualifications:

- Experience with ML pipelines
- Experience with TPOT, H2O or auto-sklearn
- Experience with Docker



- Experience with RNNs, manifold Learning
- Experience with Unix/Linux environments
- Experience in scalable cloud platforms (AWS would be advantageous)

Key details:

Competitive salary in the range of £30-40k depending on experience. Also includes equity and bonus-based remuneration.

Other benefits include:

- Working on world-changing technology with leaders in the field
- Dynamic, innovative, passionate, entrepreneurial team
- Inclusive company culture
- Flexible hours (outside of core hours)
- Additional employee benefits

As a team, we are committed to working together to positively impact the daily lives of cancer patients. We enjoy solving complex problems, thinking around corners and bouncing forwards through learning. Most of all we care about each other and the mission we're on together. We believe that a great workplace is one that represents the world we live in and how beautifully diverse it can be. That means we have no judgement when it comes to any one of the things that make you who you are - your gender, race, sexuality, religion or your secret aversion to cucumber water. Experience in cancer biology and biotechnology are not required – all you need is a passion and a desire to be part of our mission.

Preferred start date: ASAP

Duration: Permanent

Location: Cambridge, UK

To apply please fill in this form <https://goo.gl/forms/bXljmDsaFT2wluA3>