



Specification for the role of

“Research Engineer”

Once in a career opportunity: help improve healthcare for society’s most vulnerable

Oxehealth gives doctors, nurses and carers more time for hands on care where and when it’s needed most. Our technology is an assistant for when they can’t be there, paying attention to every room they are supervising.

We can monitor heart rate and breathing rate totally contact free, using standard digital cameras, with medical grade accuracy. We can also monitor human activity, behaviours and safety.

As one medical director remarked, “your technology will change the practice of medicine”. Founded by the Head of Engineering at Oxford University, Professor Lionel Tarassenko, we recently won the prestigious Colin Campbell Mitchell Award from the Royal Academy of Engineering, awarded to the group who “made the greatest contribution to the advancement of any field of engineering within the period of the last four years”.

With increasing numbers of people living with chronic conditions and growing elderly populations around the world, more and more people need to be looked after by a small group of clinicians and carers – Oxehealth’s solutions will make this possible.

Our software is currently being deployed in mental health, care homes and nursing homes, police, prisons, home care, and acute hospitals. The BBC recently featured our technology in use: watch [here](#).

Oxehealth: scaling up

2017 saw us leave the Commercial Research phase, close early sales and complete the first permanent installations of our technology. 2018 is seeing the first large commercial sales opportunities come to a close, the first overseas installations and the first sales via third party integrators. Year on year, we aim to increase room numbers ten-fold. We are backed by ambitious, long term investors including IP Group plc.

The role

Oxehealth is growing rapidly. Our powerful culture and system of working (“the Oxehealth Way”) has underpinned 2 years of intense innovation, resulting in products now deployed in customer sites.

Our hunger for innovation continues as we add to our functionality. As such we are looking for a great Research Engineer to join the team. This individual will have a strong background in computer vision, deep learning or related subjects and a passion for his or her field that sets them apart from others.

This individual will:

- research and develop new algorithms, design and run experiments and include their new algorithms into the software product
- work with petabytes of real-world data from a wide variety of settings
- access leading edge tools, equipment and software

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- collaborate with other researchers and software engineers through an environment that encourages sharing and collaboration
- turn their ideas into patents
- take part in regular offsite team events and team led planning
- grow skills in areas that they see most relevant and work in areas that excite them most
- help shape the way their work is put into use by visiting and talking to customers
- enjoy doing great work that will change the world

Key experience and attributes

Must have:

- Skills and knowledge in line with PhD level education and further experience or a passion that sets them apart from research engineers in computer vision, deep learning or related subjects
- Experience in C++ development, ideally in a commercial environment.
- Any other experience that is relevant to the Oxehealth technology and our users is highly valuable, and will be taken into consideration.
- Energetic and enthusiastic - enjoy the buzz of a high growth, pioneering business
- Integrity and strong judgment: we work with vulnerable people and handle sensitive data

Benefits:

- Competitive annual salary commensurate with skills and experience level
- 25 days holiday
- A flexible working environment
- A chance to progress your career, and opportunities to develop and learn new skills within a growing company.
- Working in a well-funded start- up with a spirit and working environment that is envied by all who see it.