oxehealth

Specification for the role of

"Research Intern"

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 Oxehealth welcomes interns all year round. We offer flexible 2-3 month paid internships, in all areas of our business, for undergraduates, graduates and post-docs who share our passion for creating cutting edge technology.

Our interns work alongside permanent team members on projects directly relevant to the development of the Oxehealth solution. Our ultimate aim is that interns grow and develop a well rounded skillset during their time with us, and we love internships to develop into permanent positions. An internship is the

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best way to explore if a full time position with Oxehealth is the best next step for your career.

This individual will have the opportunity to:
- Work in our team of innovative researchers and developers to help build the company's core software.
- Conduct rapid experiments and investigations, both in the field and onsite, to develop our algorithms.
- Work with petabytes of real-world data from a wide variety of settings
- Access leading edge tools, equipment and software.
- Collaborate with other researchers and software engineers through an environment that encourages sharing and collaboration.
- Take part in regular offsite team events and team led planning.
- Help shape the way their work is put into use by visiting and talking to customers.

Key experience and attributes

Must:
- Be an undergraduate or postgraduate with a background in engineering, computer science, statistics or a related STEM subject.
- Have some experience in a programming language, preferably C++, Python, R or Matlab, and the ability to rapidly pick up new technical skills.
- Have a passion for areas such as computer vision, signal processing, data analysis or software development.
- Approach problem solving with an analytical thought process.
- Be energetic and enthusiastic - enjoy the buzz of a high growth, pioneering business
- Have integrity and strong judgment: we work with vulnerable people and handle sensitive data

Benefits:
- A flexible working environment.
- A unique chance to grow and develop a well-rounded skillset, with a specific focus on technical research.
- Working in a well-funded start-up with a spirit and working environment that is envied by all who see it.
- The ability to grow your skills in areas that you see most relevant and work in areas that excite you most.
- Pay which is competitive with comparable opportunities.