



# Helping Clinicians Cure Cancer with Artificial Intelligence and Big Data



Are you ready to join the fight against cancer and improve the lives of millions of patients?  
Do you want to work with machine learning technologies that will redefine medicine?  
Join the Optellum team and help us shape the cancer care of tomorrow!

## Software Developer (Algorithms, Machine Learning)

### Your Mission: Would you like to

- Build up Software Development infrastructure from the ground up and have massive impact from Day One?
- Turn machine learning algorithms into products that will be deployed to thousands of hospitals?
- Create Big Data infrastructure that will turn thousands of Terabytes of unstructured medical data into novel biomarkers?

### Required Skills: You must have

- Excellence in mathematical algorithm implementation (Python, C++, or similar) with a focus on code quality.
- Proven ability to design software architectures from the ground up.
- The flexibility to feel at home in a technology start-up with a small team of scientists, analysts and testers

### Desirable Skills: One or more of these would be a definite plus

- Strong degree in a quantitative discipline (e.g. Computer Science, Engineering, Physics, Applied Math)
- Proven ability to establish the entire product development environment (choosing tools and technologies).
- Strong experience with computer vision, computer graphics and/or machine learning algorithms.
- Strong familiarity with open-source scientific programming libraries (e.g. Boost, NumPy, SciPy).
- Familiarity with deep learning (e.g. TensorFlow, Caffe, Theano), GP-GPU and big data frameworks (e.g. Spark).
- Previous experience working in a startup or a fast-growing SME.
- Activity in open-source projects.

### What We Offer...

- Fast professional growth: significant responsibility for your project, and freedom in determining the direction it takes.
- Opportunity to apply in practice and rapidly learn and grow your knowledge of cutting edge technologies.
- Competitive salary and additional benefits which will grow with the company.
- Significant equity to benefit from our success (stock option plan).
- Beautiful office in Oxford's historical center, with great connectivity (5-min walk to the train station, 1hr to central London).
- Flexible working hours from the outset; with the possibility of negotiating a flexible working location in the future.
- Work permit sponsorship to the most exceptional candidates

## About Us

Optellum's vision is to reshape early cancer diagnosis and treatment by using machine learning to unlock deep insights in huge medical image databases. By pooling the collective experience of thousands of doctors, we will uncover patterns not obvious to the human eye and put expert-level decision support at the fingertips of any clinician.

We are a team of award-winning AI and imaging experts who met at Oxford's world-renowned computer vision laboratory, and we have track records of bringing innovation to market (including multiple exits, IPO). We are backed by an Advisory Board comprising world-leading clinicians and experts in deep learning and diagnostic imaging; and Oxford's most prominent investors with track records in medical technology startups.