



The Opportunity:

IBEX Innovations Limited is seeking a talented Research Scientist to work in its data and AI team, developing cutting edge technology and products for medical X-ray imaging. You will undertake a key supporting role within the rapidly growing team, contributing to AI algorithm development and model training and supporting internal and customer projects. You will need to be an energetic and motivated individual who has experienced working on research projects, preferably in the field of physics or mathematics. Our projects commonly involve working with medical data (3D and 2D) and developing AI algorithms; some knowledge of these is expected.

The role is ideally suited to a recent graduate seeking to enter the world of medical AI and provides a unique opportunity for the right individual to develop their skills working within an exciting and challenging work environment.

Listen to AI Technical Lead, Thomas Jubb, talk a little more about this role here -

<https://www.youtube.com/watch?v=HKpL-rucURs>

About IBEX®:

IBEX® is a technology business in the advanced stages of commercialisation of a patented X-ray detector technology for medical X-ray imaging markets. IBEX® is focussed on one goal: to apply advanced physics modelling, statistics and AI methods to extract the maximum amount of useful diagnostic information from every single X-ray. A vision to improve patient lives through earlier and more accurate diagnosis and to improve efficiency and reduce costs for health care providers everywhere.

Based in modern offices on the NETPark Science Park in beautiful County Durham, IBEX currently employs 17 highly skilled staff including scientists, mathematicians, software engineers, and business professionals.

The primary responsibilities of the role will be:

- Working solely within the AI team to train and test neural networks for various applications.
- Working with data; managing large volumes of data and making sure data is well curated and easy to use.
- Developing new algorithms with the help of the wider AI team; learning to use new techniques or software quickly to respond to changing requirements.

Candidates must possess the following essential skills and experience:

- Demonstrable experience with AI projects during undergraduate.
- Masters in Physics, Maths, Computer Science or related discipline.
- (Desirable) : projects in medical physics, AI or x-ray physics
- Good coding skills in Python.
- Use of pytorch or Tensorflow/keras for AI training and testing.
- Some understanding of AI methods and algorithms.
- Time management across multiple projects.
- Strong team skills are essential.

Additional skills and qualities which would be beneficial:

- Knowledge of C++, Matlab or CUDA
- Domain knowledge in Medical Imaging or Medical Physics
- Domain knowledge in x-ray physics

Location

NETPark Science Park, Sedgefield, County Durham

Salary and Benefits:



AI Research Scientist

Salary: Competitive salary based on experience.
Benefits: IBEX operates a flexible benefits scheme including pension and life insurance
Share Options: Share options are available following successful completion of a three-month probationary period.

Closing Date:

Open

Please note should sufficient applications be received IBEX® reserve the right to close this vacancy at any time, we always encourage all interested applicants to apply at their earliest convenience to avoid disappointment.

Data Protection and Equality:

As a company driven by our values of Respect, Fairness, Honesty and Integrity, we know inclusion and diversity are essential for us to be able to succeed. We believe that people from different backgrounds can bring unique experiences and fresh ideas, ensuring they feel good and to keep growing their careers.

As you apply, we will ask you to share some personal information, which will be used in the recruitment process. We want to have an opportunity to consider a diverse pool of qualified candidates and this information will assist us in meeting that objective and in understanding how well we are doing against our inclusion and diversity ambitions. Rest assured, only those involved in the recruitment process will have access to this information and we will treat your information confidentially. This information will be shredded should you be unsuccessful following the recruitment process.

Please don't hesitate to contact us if you'd like to discuss any adjustments to our process which might help you demonstrate your strengths and capabilities.

Should you be successful at interview, we will ask you to complete a right to work checklist prior to commencing employment with IBEX, as proof you are eligible to work in the UK.

If you are interested in this position, please forward your CV and cover letter to:
[**l.march@ibexinnovations.co.uk**](mailto:l.march@ibexinnovations.co.uk)