

JOB TITLE: AI Research Engineer

LOCATION: Homebased / Finchley, London / Basingstoke

ABOUT THE COMPANY:

Aurora creates Artificial Intelligence solutions for the Air Industry, Healthcare and other sectors. We are a UK leader in the provision of Deep Learning technology and face recognition solutions. Our state-of-the-art applications have been delivered to over 1000 sites in the UK and globally.

At the heart of Aurora's portfolio is our Artificial Intelligence platform. Recent advancements in AI techniques (particularly Deep Learning) have accelerated improvements in performance and this now forms the main focus of our R&D efforts. We pride ourselves in the ability to take theory and innovation and apply it to challenging problems in the real world.

Aurora is a part of Vision RT, who are a part of the Danish company **William Demant Holding**, one of the largest hearing healthcare companies in the world with revenue of more than EUR 1,6 billion and over 12,000 employees from all over the world.

Vision RT is a highly successful 3D medical imaging company based in North West London providing patient positioning and motion management solutions for radiotherapy. Vision RT won two Queen's Awards in 2016, and the 'Technology Innovation of the Year' award at the 2015 UK Private Business Awards.

ABOUT THE ROLE:

We have a vacancy for an AI Research Engineer to assist in the development of AI Deep Learning systems within our existing team of talented data scientists, research engineers and AI developers.

You will have the opportunity to work with state-of-the-art Deep Learning technology to solve challenging problems in the delivery of AI solutions. You will work as part of the AI core team.

This involves analysis and processing of large quantities of data in preparation for training a Deep Neural Network to solve the given task. This is followed by the monitoring of Deep Learning training cycles, before ultimately deploying a trained Neural Network into a complete software pipeline, either as part of an SDK or end-user application for use in customer systems.

This role will require working as part of a team in a collaborative effort to solve the given challenges. The current AI group is a multi-national, multi-disciplinary team of nine PhDs, MScs and experienced software engineers that work in a fast-paced environment focused on real world systems delivery. You will be given the opportunity to acquire new skills, through training and research of the latest techniques, with rapid transfer to challenging problems for our broad range of customers.

ABOUT THE CANDIDATE:

Experience and Skills

Essential

Candidates with the following qualifications and skill sets will be considered:

- Master's or BSc in Computer Science with a Machine Learning focus.
- Fluency in C# and data processing/scripting languages such as Python.
- Good understanding of Machine Learning techniques, including Neural Networks.
- Knowledge of PyTorch, TorchSharp, ML.NET, Caffe, MxNet, DLib Machine Learning platforms.
- Excellent data processing capabilities using tools such as Python, NumPy, Matlab, ImageMagick, Excel etc.
- Good communication skills to understand, develop and pass on complex AI concepts within the AI group.

Desirable

- Understanding of multiple Machine Learning disciplines, such as Image Processing, Computer Vision, Signal Processing, Natural Language Processing, Pattern Recognition etc.
- Windows, Linux, iOS and Android, including cross-platform compatibility.
- NVIDIA Cuda.
- Understanding of LevelDB, Redis or Memcached data storage.
- Proficiency in C++, Java and .NET.
- Good knowledge of Cloud Services, Azure or AWS.

BENEFITS:

- Competitive salary
- Company pension scheme
- Private health insurance
- Group life insurance
- Healthcare cash plan
- Employee assistance program
- Monthly gym membership contribution
- 25 days holiday plus bank holidays
- Bonus scheme (Based on Company & individual performance)
- Free onsite parking at both London and Basingstoke offices

HOW TO APPLY:

If you would like to be considered for any of the positions, please send a covering letter clearly stating your suitability and an up-to-date CV to the HR Team at careers@visionrt.com.