

## RESEARCH / SENIOR RESEARCH ENGINEER - MACHINE LEARNING

**Title:** Research / Senior Research Engineer (Machine Learning)  
**ID:** 10182  
**Location:** Leeds, UK

### Summary

Edgetic is looking for a Senior Research Engineer to play an important role in the development of an innovative SaaS product for behavioural analytics in the data centre industry. This will involve working closely with team members to solve difficult challenges in a wide range of areas, from state-of-the-art machine-learning to big data processing/storage and hardware monitoring.

### The Role

Working as an important member of our R&D team, the successful candidate will liaise with our Development team to help realise prototypes and data driven insights in our SaaS-based solution. This will involve working with large-amounts of existing data from data centre trace logs and collected metrics to train machine learning models and inform further research and development.

The candidate will also be defining and running experiments on our partner's world-leading data centre platform. Data centre industry experience and understanding of low-level server hardware would be beneficial but is not essential.

The successful applicant will from time to time have the opportunity to attend (or present at) conferences and industry events (both national and international) and work with development partners.

### Minimum Requirements

- Strong programming ability
- Strong mathematics and statistics background
- Experience working with large datasets (Big Data)
- Experience in machine-learning
- A good working knowledge of Linux system environments
- Experience using version control (Git)
- Strong teamwork skills
- Excellent communication and presentation skills
- BSc degree in Computer Science or a related field

**Desirable skills**

- Experience in deep reinforcement learning
- Experience in development using Python or Golang
- Experience using distributed processing frameworks (such as MapReduce)
- Experience with deep learning frameworks (Tensorflow, PyTorch, etc.)
- Experience with container management systems (Kubernetes, etc.)
- Data centre domain knowledge
- A MSc degree (or higher) in Computer Science or a related field

**Company Background and Environment**

Edgetic is a fast growing, early-stage technology company based in the centre of Leeds; we are building advanced software for the Data Centre and Cloud industry that uses AI/ML techniques to recognise and learn the behavioural patterns of machines, software containers, and users inside DCs. We use these patterns to drive patented resource scheduling algorithms, allowing the monitoring and forecasting of system behaviour and greatly improving management, utilisation, and efficiency.

The data centre (DC) industry is growing at an enormous rate, fuelled by the worldwide growth in connected devices and the rise of Cloud Computing. As competition grows, DCs need to maximise performance and reduce power costs/consumption to remain competitive.

We are a small, friendly team of developers and academics based in City Square, Leeds. As well as the opportunity to be involved in leading-edge development, working with some of the best people in the industry, we offer the following benefits:

- Personal development / training opportunities
- Stock options
- Childcare voucher scheme
- Cycle to work scheme
- Employee benefits scheme
- Pension scheme

Salary: **£35,000 - £50,000 based on experience**

Closing date for applications: **Wednesday 7<sup>th</sup> November 2018**

For more information, please email [jobs@edgetic.com](mailto:jobs@edgetic.com)

**Strictly no agency applications please.**