

OBRIZUM GROUP LTD.

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Role: Senior Data Scientist (machine learning & predictive analytics)

We're preparing the world for the future of work by redefining digital learning.

Will you join us?

Obrizum Group Ltd. is seeking a versatile Senior Data Scientist with expertise in artificial intelligence (AI), applied machine learning and predictive analytics to join our growing software engineering team. Our scale-up enterprise learning software company needs a data savvy engineer who can write novel machine learning algorithms and produce exciting new predictive analytics tools which will help large organisations better map, understand and develop their knowledge and skill capital. All applicants to this role must have an excellent knowledge of state-of-the-art data science practices and principles as well as a strong grasp of the underlying statistical and mathematical fundamentals.

Ideally, you'll come with a proven track record in a corporate environment with experience building machine learning and predictive analytics tools for digital platforms, whether those be web apps, mobile apps or desktop software. As an enterprise educational technology (EdTech) business, we are looking for someone with a passion and curiosity for proactively improving their technical know-how and a strong desire to find faster and more efficient ways to build understanding and skills. By virtue of the role and its requirements, you will have an unbeatable opportunity to push your skills to the limit and to acquire new techniques and capabilities to add to your portfolio. The technology that powers the OBRIZUM[®] platform is sector agnostic and our customer base is global, meaning that you'll be exposed to the widest possible variety of industries and the solutions you build will have far reaching impact.

If your application is successful, you will be working in partnership with our CTO and Head of Artificial Intelligence and Innovation as we develop the world's most automated, adaptive and analytical digital learning experience and scale the Company into a global leader in its field.

If you feel that you have the skills necessary to fulfil the role of Senior Data Scientist at Obrizum Group, we want to hear from you!

About the Company:

Obrizum Group Ltd. was founded in 2015 in Cambridge, UK, a world-leading hub of science and technology. The Company is a provider of state-of-the-art learning and development technology for enterprise and its flagship offering is a sophisticated artificial intelligence-led digital learning platform called OBRIZUM[®] (Latin for *pure gold*, and synonymous with assessment). The leadership team at Obrizum Group Ltd. is comprised of PhD trained scientists, senior software engineers, expert data scientists, media specialists, and experienced leaders from the education and finance industry.

The quantity of information available in today's world is expanding exponentially. In addition, the knowledge and skills that businesses need are changing faster than ever before. Relying on manual human effort to create, organise, manage, and update digital training at the scale and speed required is now practically impossible. Obrizum Group Ltd. has created proprietary artificial intelligence technologies to address the underlying drivers of disruption that are defining the future of work and skills.

In OBRIZUM[®] AI is used to build and organise knowledge at unprecedented speed, fulfilling a role that would previously require weeks to months of manual human effort. After automatically arranging 'Knowledge Spaces' (rather than linear courses), OBRIZUM[®]'s AI delivers a precision personalised learning experience without the need for manual human effort or oversight. This means that OBRIZUM[®] can dramatically increase the efficiency of digital learning when compared to traditional linear approaches. As learning proceeds OBRIZUM[®] analyses the incoming data in real time and deciphers trends and relationships to enable data-driven business decisions. The Company already has numerous patents pending and was awarded Artificial Intelligence Innovation of The Year by the Digital Leaders 100 in 2019.

Job Description

- You will be developing our machine learning technologies and guiding their application within the OBRIZUM[®] enterprise learning platform
- You will be joining an interdisciplinary team comprised of academics and senior software engineers programmers who have worked at University of Cambridge, King's College London, UCL, CSIRO, Cognizant, Xerox and Google DeepMind
- Researching and developing statistical learning models for data analysis
- Running analytical experiments and evaluating models with theoretical approaches
- Building and optimizing classifiers using machine learning techniques
- Supporting our engagement leaders and delivery teams by providing internal expertise and designing innovative solutions for real customer problems.

Skills, Experience, Qualification

Essential:

- Master's Degree in Statistics, Applied Mathematics or related field
- Strong computer science background
- Excellent understanding of machine learning techniques and algorithms in particular - probabilistic modelling, Bayesian optimisation
- Expertise in text-mining and Natural Language Processing
- Minimum 5 years of working experience in the same role
- Excellent pattern recognition and predictive modelling skills
- Strong analytical, planning, and organisational skills
- Extensive experience in numerical programming with Python and TensorFlow
- Data mining using state-of-the-art methods.

Desirable:

- Image processing knowledge using machine learning and deep learning
- Exposure on AWS ML and AI services
- Comfortable with SQL
- Confidence with JIRA
- Knowledge of Scikit-learn and/or Pandas

- Exposure to functional programming - any languages (we really like Clojure / Clojurescript).

Personal Attributes

- Enthusiastic, with a desire to learn and expand knowledge
- Analytical and methodical, with an eye for detail and a desire to find problems and an ability to communicate findings effectively
- Able to work under pressure and to prioritise and work within tight time scales in order to meet deadlines
- Self-starter able to make progress with minimal supervision, but seeks help when required
- Flexible approach to work, including managing changing priorities
- Excellent communication skills including fluent spoken and written English

Personal Circumstances

- We need you to have the right to live and work in the UK
- The good news: Whilst a UK based company, we're licensed to hire from outside the EU including the US. We can help you with a Tier 2 Visa Sponsorship but expect you to relocate and join our wonderfully tech-academic city. We'll help you through the process.

Why us?

- Plenty of autonomy and space to contribute your talent
- Interesting (and challenging) problems to solve
- You will quickly see your research being used, tested, and built upon in our platform
- Our location helps to foster an engaging commercial-academic environment and an exciting atmosphere of ambitious innovation
- A supportive senior team of engineers who've been there and have realistic expectations
- Excellent career progression opportunities
- You will be filing patents and submitting publications
- You will receive a company computer - with the spec you need to do your best work!
- Continuously developing your own machine learning and engineering skills and helping others to improve theirs

Salary

Competitive salary, depending on experience. Stock options and fantastic colleagues who care!

Seize the day & get in touch!

Send your C.V. and cover letter to: careers@obrizumgroup.com