

**Reference:** R210053

**Salary:** £32,000 per annum

**Contract Type:** Fixed Term

**Basis:** Full Time

**Closing Date:** 23.59 hours GMT on Sunday 14 March 2021

**Interview Date:** TBC

# Data Scientist – KTP Associate

Candidate brief



# Job description

## Job Purpose:

This 24-month project takes the form of a Knowledge Transfer Partnership (KTP) (<http://www.ktponline.org.uk/>), which provides you with practical and formal training and the availability of support from experienced mentors at Evolyst Ltd., Aston University and Innovate UK.

## The Company

**Evolyst Ltd.** are leaders in delivering data-led products that make a real positive difference to the wellbeing of people around the world. Evolyst has created a data platform, "Lumien", to address mental health & wellbeing for individuals, teams & organisations, both at home and in the workplace. It assesses the productivity of teams & individuals related to mental health, identifying productivity improvement opportunities through supportive strategies.

Evolyst's vision is for its customers to create supportive workplaces by developing data-led wellbeing and mental health strategies, making decisions based on the welfare of their teams and empowering teams & individuals. To find out more please visit: <https://www.lumien.io>.

## The Project

**Evolyst Ltd.** has partnered with **Aston University** on this new KTP project to understand how sophisticated machine learning capability that can deliver predictive data analysis can be implemented into Lumien, to support individuals & organisations to proactively manage their wellbeing and evidence changes in productivity.

The role offers an exciting opportunity to work as part of a team with Evolyst Ltd. and Aston University to develop the knowledge that will underpin the company's future developments with good prospects for career development in the Evolyst team. The successful candidate will also develop a broad set of skills in project management, stakeholder management, working on a strategic project in an innovative business, and carrying out cutting-edge research. Together, they will enhance future career opportunities.

## Expected Outcomes

- Knowledge of how machine learning can be used to expand the capabilities of the Lumien wellbeing model, identify patterns and predict trends.
- Strategy for implementation of machine learning into the existing platform.
- Identification of data required and collection methods to achieve above.
- Understanding of how to fill data gaps / measure equally for different demographics.
- Strategy for how to use data to measure how the Lumien wellbeing model stands up to academic/psychological scrutiny.
- Understanding of how to apply ethical design practices to machine learning.

## Main Duties/Responsibilities:

- Establish a Project Advisory Group.
- Work closely with Evolyst staff to embed skills through collaborative / agile working, and present project progress across the company.
- Lead the implementation of the data extraction, consolidation and modelling modules for the Lumien data platform, working with Aston and Evolyst staff to apply sophisticated machine learning (ML) that enhances functionality and delivers Data+ at scale.
- Manage financial aspects of the project including preparation and approval of finance statements.

- Take responsibility for delivering the proposed plan of work in collaboration with the academic and company teams.
- Disseminate project progress across the company and within Aston's research environment, recording developments in a technical library and in appropriate reports as necessary.

**Additional responsibilities**

- Engage in continuous personal and professional development in line with the demands of the role, including undertaking relevant training and development activities to develop themselves and support the development of others.
- Ensure and promote the personal health, safety and wellbeing of staff and students.
- Carry out duties in a way which promotes fairness in all matters and which engenders trust.
- Promote equality of opportunity and support diversity and inclusion as well as working to support the University's environmental sustainability agenda and practices.

# Person specification

	Essential	Method of assessment
<b>Education and qualifications</b>	Educated to PhD level in Computer Science, Statistics, Mathematics or equivalent (or close to completion of PhD).	Application form
<b>Experience</b>	<p>Knowledge or practical experience of data mining and machine learning algorithms.</p> <p>Experience of carrying out empirical experiments on technologies.</p> <p>Practical experience of statistical analysis &amp; use of appropriate machine learning software packages.</p> <p>Ability to program in Python, Julia or other suitable languages for machine learning.</p>	Application form and interview
<b>Aptitude and skills</b>	<p>Strong mathematical background and skills in statistics, probability, and machine learning.</p> <p>Good problem-solving skills.</p> <p>Work as effective team member whilst also being highly self-motivated and capable of working independently.</p> <p>Enthusiasm and maturity to take ownership of all aspects of project management.</p> <p>Excellent interpersonal and communication skills (both written and oral).</p> <p>Ability to work closely with all stakeholders.</p>	Application form and interview

	Desirable	Method of assessment
<b>Education and qualifications</b>	Specific mathematics qualification at graduate or postgraduate level.	Application form
<b>Experience</b>	Experience of working on complex or large-scale databases.  Experience of working with industry.	Application form and interview
<b>Aptitude and skills</b>	Knowledge of version control, unit testing, continuous integration and code quality tools.  A background in psychology and qualitative research techniques, as well as an interest in Mental Health.  Interest in being involved in a fast growing start up.  Interest in Ethical Design.	Application form and interview

## How to apply

You can apply for this role online via our website <https://www2.aston.ac.uk/staff-public/hr/jobs>. Applications should be submitted by 23.59pm on the advertised closing date. All applicants must complete an application form, along with your CV.

Any CV sent direct to the Recruitment Team and Recruiting Manager will not be accepted. If you require a manual application form then please contact the Recruitment Team via [jobs@aston.ac.uk](mailto:jobs@aston.ac.uk).

## Contact information

### Enquiries about the vacancy:

Name: Dr Chris Buckingham

Job Title: Reader

Email: [c.d.buckingham@aston.ac.uk](mailto:c.d.buckingham@aston.ac.uk)

### Enquiries about the application process, shortlisting or interviews:

Recruitment Team via [jobs@aston.ac.uk](mailto:jobs@aston.ac.uk) or 0121 204 4500.

## Additional Information

Visit our website <https://www2.aston.ac.uk/staff-public/hr> for full details of our salary scales and benefits  
Aston University staff enjoy

**Salary scales:** <https://www2.aston.ac.uk/staff-public/hr/payroll-and-pensions/salary-scales/index>

**Benefits:** <https://www2.aston.ac.uk/staff-public/hr/Benefits-and-Rewards/index>

**Working in Birmingham:** <https://www2.aston.ac.uk/birmingham>

**Employment of Ex-Offenders:** Under the Rehabilitation of Offenders Act 1974, a person with a criminal record is not required to disclose any spent convictions unless the positions they applying for is listed an exception under the act.

**Eligibility to work in the UK:** Candidates who are not citizens of the United Kingdom, or another EEA member country, should check their eligibility to enter or remain the UK in advance of making any job application via the UKVI website <https://www.gov.uk/browse/visas-immigration/work-visas>. Before applying you should ensure that you meet the requirements, including meeting the English language standards. If you do not meet the eligibility criteria, any application for a work visa would be unsuccessful

**Equal Opportunities:** Aston University promotes equality and diversity in all aspects of its work. We aim to ensure, through our admissions policies for students, and our staff recruitment and selection processes that we encourage applications from all groups represented in the wider community at a local, national and international level.

The University will endeavour not to discriminate unfairly or illegally, directly or indirectly, against student or potential students, staff or potential staff. This commitment applies to all functions of the University and to any stage of an individual's career.

An Equal Opportunities Monitoring Form is included within the application form. Data you provide on the Equal Opportunities Monitoring Form will be included in a general database, for statistical monitoring purposes, enabling the University to monitor the effectiveness of its Policy, Codes of Practice and Guidelines on Equal Opportunities in Employment. Individuals will not be identified by name.

**Data Protection:** Your personal data will be processed in compliance with the Data Protection Act 2018 and the General Data Protection Regulation ((EU) 2016/679) ("GDPR"). The University's Data Protection Policy and Privacy Notices, including the Job Applicant Privacy Notice can be found at <https://www2.aston.ac.uk/data-protection>. Your application will only be used to inform the selection process, unless you are successful, in which case it will form the basis of your personal record with the University which will be stored in manual and/or electronic files. Information in statistical form on present and former employees is given to appropriate outside bodies.

Full details of our terms and conditions of service and associated policies and procedures are available online at <https://www2.aston.ac.uk/staff-public/hr/policies>



