



## Research Assistant

**Reference:** 0418-23

**Grade:** 7

**Salary:** £31,502 per annum (pro-rata)

**Contract Type:** up to 11 months

**Basis:** Full Time

# Job description

## Job Purpose:

Further develop an existing virtual breathing training system from the current TRL 5 to TRL 7 (suitable to be used by end-users and for clinical trials). Looking for a skilled programmer with a good understanding of VR, virtual human technology, UI, and back-end programming.

## Main duties and responsibilities

### Development

- ▶ Development of breathing training system based on existing code base
- ▶ Development of UI for breathing training system
- ▶ Development of data storage backend for breathing training system
- ▶ To use standard research techniques to gather and manipulate data and information, interpreting the results for use by self and others.
- ▶ To undertake basic research by preparing, setting up, conducting and recording the outcome of experiments and field work.
- ▶ To analyse and interpret the results of own research and generate original ideas based on outcomes.

### User study

- ▶ Setting up focus group study for breathing training system

## Teaching and learning

- ▶ To undertake up to 6 hours of teaching per week or support teaching and assessment activity in a module(s) relevant to area of research.
- ▶ Assist in the supervision of student projects

## External Engagement

- ▶ To attend and participate in internal and external networks as appropriate and within the interests of the School/ University.

## Citizenship

- ▶ To provide pastoral care and support to students.
- ▶ To attend and contribute to Academic Department meetings
- ▶ To take part in staff seminars, cross-departmental activities and events e.g. Open Days, Sixth Form Conferences etc. as appropriate
- ▶ To display and promote Aston values through own actions and behaviour.
- ▶ To undertake such other duties as may be reasonably requested and that are commensurate with the nature and grade of the post.

## 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>	<p>A degree in a relevant subject, preferably MSc in AI.</p> <p>Working towards a doctorate in a relevant subject/discipline</p>	Application form
<b>Experience</b>	<p>Experience in Unity game development</p> <p>Experience in building Unity-based VR systems</p> <p>Experience in virtual human technology</p> <p>Experience in UI and backend programming</p> <p>Experience in setting up user studies</p>	Application form and interview
<b>Aptitude and skills</b>	<p>Ability to develop software independently based on agreed functionalities.</p> <p>Ability to work effectively in a team.</p> <p>Ability to deliver development objectives and deliverables in a timely manner.</p> <p>Ability to document developed software in a written report</p>	Application form and interview



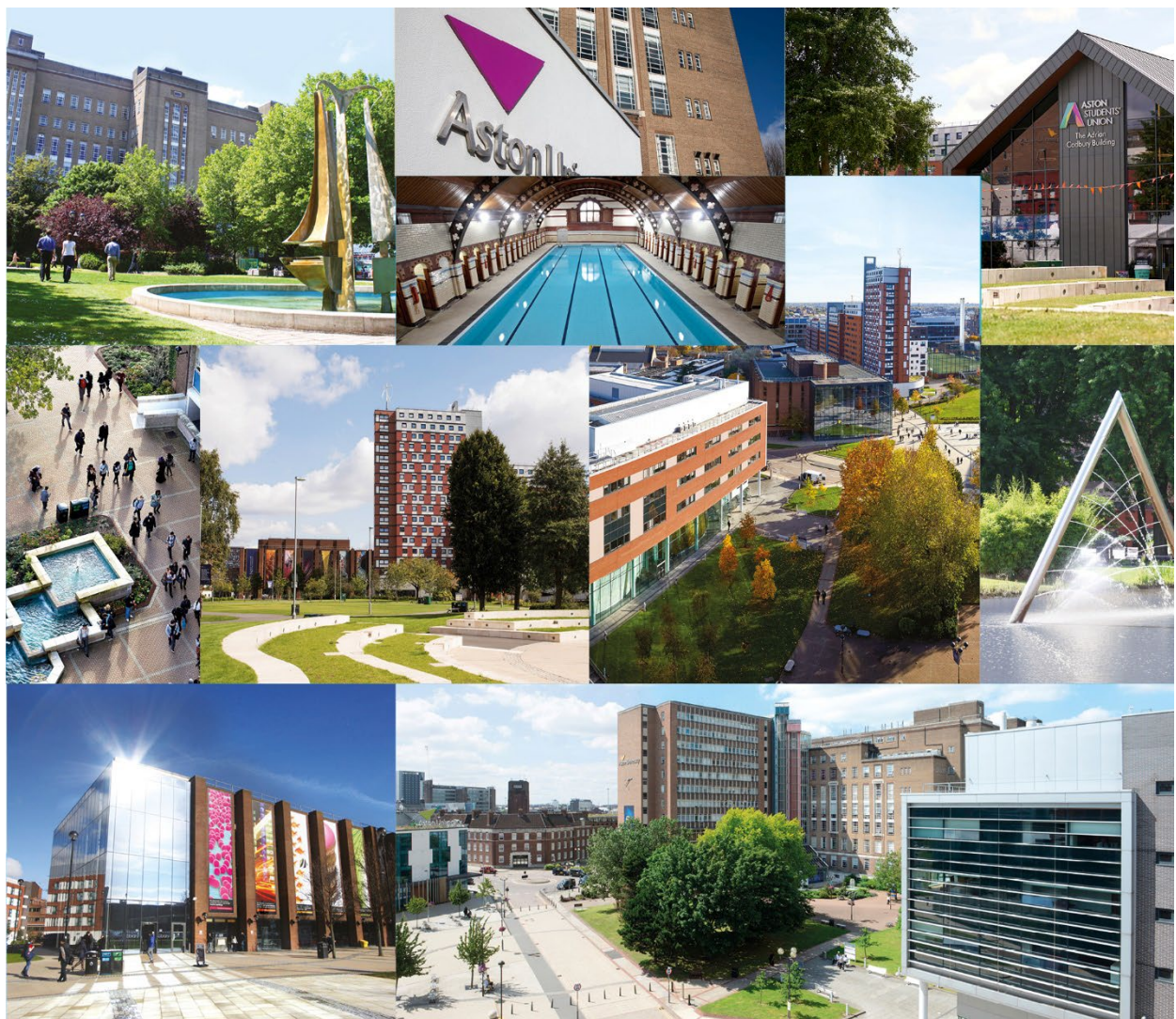
# How to apply

You can apply for this role online via our website <https://www2.aston.ac.uk/staff-public/hr/jobs>.

Applications should be submitted by 23:59 GMT 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: Ulysses Bernardet

Job Title: Lecturer

Email: [u.bernardet@aston.ac.uk](mailto:u.bernardet@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:

### Post-Brexit transition period / EU Settlement Scheme

The post-Brexit transition period ended on 31 December 2020. If you are an EU/EEA citizen and you were a resident in the UK before 31 December 2020, you and your family members (including non-EU citizens need to apply to the EU Settlement Scheme to continue to live, work and study in the UK beyond 30 June 2021. The deadline for applying to the EU settlement scheme is 30 June 2021. You can apply via the Government webpage

<https://www.gov.uk/settled-status-eu-citizens-families>

Irish Nationals do not need to apply for settlement as they retain the right to work in the UK.

### New immigration system for EU/EEA and Swiss Nationals who were not resident in the UK before 31 December 2020

A new immigration system has been introduced for people arriving in the UK from EEA countries with effect from 1 January 2021. In addition to those who have always required a visa, EU citizens moving to the UK to work will need to get a visa in advance. You can find more information on the following website. Candidates should check their eligibility to enter or remain in 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 requirements. If you do not meet the eligibility criteria, any application for a work visa would be unsuccessful.

If you require a visa to work in the UK the most common types of visa are:

### **Skilled Worker Visa**

<https://www.gov.uk/skilled-worker-visa>

### **Global Talent Visa**

If you are a leader or potential leader in one of the following fields you may be eligible to apply for a Global Talent Visa:

- Academia or Research
- Arts and Culture
- Digital Technology

Please click the following link for further information and to check your eligibility for this visa.

<https://www.gov.uk/global-talent>

**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>

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