

RECRUITMENT PACK

This document includes the following information:

- Job Description
 - Person Specification
 - Additional information
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Making an application:

When completing the on-line application form you will be asked to answer questions to help you demonstrate how you meet the requirements of the post. Your answers will be used at the shortlisting and interview stages of the recruitment process. We therefore recommend that you take a copy of this recruitment pack to help with your preparation.

NOTE: You don't have to answer the questions in one attempt, but can save your incomplete application and return to it at another time. You may want to draft your answers using Microsoft Word and then copy your text into the application form. Please be aware that formatting (e.g. underline, bold, bulleting) will be lost in this process. If you are using an Apple product you will need to use an alternative web browser to Safari such as Google Chrome.

- Links to Guidance Notes and Frequently Asked Questions can be found on the Search Results page. These pages will open in a new window.
- **We recommend that you take a copy of this recruitment pack to help with your preparation.**

A commitment to sustaining an inclusive and diverse community is one of the University's Core Values and we are keen to address any imbalances in our workforce.

The University of Essex is proud to be part of the Disability Confident scheme and is committed to supporting diversity and equality, representative of our inclusive community. As part of our commitment to this scheme any candidate who has a disability and meets all the essential criteria for the role will be offered an interview. We also work in partnership with national disability organisation [DisabledGo](#) who provide detailed online access guides to many of our campus buildings and facilities which you may find useful.

Please note: We are only accepting on-line applications for this post. However, if you have a disability that makes it difficult for you to provide us with information in this way, please contact the Resourcing Team (01206 876559) for help.

Closing Date: 28 February 2019

Interviews are planned for: end of March 2019 (a date to be confirmed)





JOB DESCRIPTION – Job ref (REQ02349)

Job Title and Grade:	Software Developer in Virtual Reality (KEEP Associate) Grade 8
Contract:	Full-time. Fixed term for 12 months. The position is fixed term due to being part of a Government funded programme, however there may be potential to continue in employment with the company partner following the completion of the KEEP project. <i>This role is subject to funding. Funding outcome due February 2019.</i>
Hours:	A notional minimum of 36 hours per week
Salary:	£33,199 - £34,188 per annum
Department/Section:	School of Computer Science and Electronic Engineering
Responsible to:	Prof Anthony Vickers Head of School of Computer Science and Electronic Engineering
Reports on a day to day basis to:	Dr John Woods, Academic Supervisor
Purpose of job:	The University of Essex in partnership with Geocurve Ltd offers an exciting opportunity to a graduate to create a platform capable of producing freely distributable room-scale Virtual Reality content of hazardous environments that can be explored using off the shelf equipment by a qualified interested party.
Location:	Geocurve Ltd Tintagel House London Rd Kelvedon Colchester CO5 9BP

Duties of the Post:

The main duties of the post will include:

1. Customer engagement and requirements analysis
2. Capturing data
3. Data processing and VR development using existing University software capability
4. Delivering wireless room scale and 3D capabilities within the VR environment
5. Developing VR applications
6. Virtual Reality application improvement with customer
7. Create a complete and robust marketing end line for the end use e.g. steam accounts
8. Survey customer usages for optimal Human Computer Interface Interaction e.g. virtual type measure
9. Contribute to point cloud manipulation and tidying end customer data
10. Develop automated tools to link together the components used to produce a production pipeline
11. Assume ownership as virtual reality experts within company and liaise with customer accordingly

These duties are a guide to the work that the post holder will initially be required to undertake. They may be changed from time to time to meet changing circumstances.

Terms of Appointment:

For a full description of the terms of appointment for this post please visit:

<https://www.essex.ac.uk/staff/employment-policies-procedures/my-contract>

February 2019

**PERSON SPECIFICATION****JOB TITLE: Software Developer in Virtual Reality (KEEP Associate)****Qualifications /Training**

	Essential	Desirable
▪ BSc in Computer Science	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▪ MSc or higher qualification in Computer Science	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Experience/Knowledge

	Essential	Desirable
▪ Experience of OpenGL, C++, Visual Studio, Unity, Hammer and Steam	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▪ Some prior experience of games writing and engines	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▪ Human Computer Interaction or HCI experience	<input type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Experience of using tools such as Agisoft or Pix4D	<input type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Previous experience of 3D model creation and visualisation	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Skills/Abilities

	Essential	Desirable
▪ Effective communication skills to be able to work collaboratively in a small team	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▪ Ability to work to deadlines with strong time management skills	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▪ Good command of written and spoken English	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▪ Ability to work independently and as part of a team; dynamic and self-motivated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▪ Ability to multitask	<input type="checkbox"/>	<input type="checkbox"/>
▪ Ability to adapt to quickly changing technological environment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▪ Accomplished developer fluent in multiple software languages	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▪ Exhibit Team skills and attribute contribute to team environment	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▪ Previous industry experience	<input type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Ability to adopt new situation and work under pressure deadline, time management	<input type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Good background in project management, accountability to milestones and deadlines	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Other

	Essential	Desirable
▪ Ability to meet the requirements of UK 'right to work' legislation*	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▪ An understanding of, and commitment to, equality and diversity	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*The University has a responsibility under the Asylum, Immigration and Nationality Act 2006 to ensure that all employees are eligible to work in the UK. Prior to commencing employment, the successful candidate will be asked to provide documentary evidence to this effect. Please note that the University may not be able to issue a Tier 2 Certificate of Sponsorship for this post. For further information about UK immigration requirements please follow this link <https://www.gov.uk/government/organisations/uk-visas-and-immigration>



ADDITIONAL INFORMATION

School of Computer Science and Electronic Engineering

You can find more information about the department at the following link
<https://www1.essex.ac.uk/csee/about/default.aspx>.

General information

Informal enquiries may be made to Academic Supervisor, Dr John Woods, Senior Lecturer CSEE (telephone: 01206 872795 e-mail: woodjt@essex.ac.uk). However, all applications must be made online.

People Supporting Strategy

Please find a link to the People Supporting Strategy below:

<https://www.essex.ac.uk/-/media/documents/directories/human-resources/people-supporting-strategy.pdf>

Pay and benefits

We advertise our salaries on a range to indicate the trajectory of progression that can be made. Appointments are usually made at the start of the salary range. The university salary structure includes automatic pay progression within the published grades, subject to service and performance. In addition to this, there are performance related annual pay review schemes in place.

As an employer we offer a range of benefits and a commitment to career development and equal opportunities in an environment that both reflects and creates a rich interaction of people, disciplines and ideas.

- Pension scheme
- Generous holiday entitlement
- Competitive salaries
- Training and development Family Friendly policies
- On campus childcare facilities, for more information visit www.wivenhoeParkDayNursery.co.uk
- Relocation package for qualifying staff
- Interest free season ticket loan
- Range of optional salary exchange tax benefits (pension and bicycle schemes)

As a KEEP Associate, the post will offer the following benefits:

- A training budget of £3000 (exclusive of salary).
- An interesting and challenging role, with exposure to a variety of stakeholders.
- Full access to university resources to complete the project.
- World-leading Academic and Company project supervision.

This document is produced by:

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