

**Research Assistant I (Ref: 2401014)**  
**Department of Mathematics and Information Technology**

**Project Title: 1) Developing a multi-modal learning analytics approach to understanding students' social presence in the metaverse – 'Learningverse' and 2) Examining Social, Cognitive and Teaching Presences and Learning Outcomes in the Metaverse via an Intelligent Multimodal Learning Analytics Approach"**

**[Appointment Period: 12 months]**

The appointee will be responsible for creating high-quality 3D assets for virtual environments and characters as part of a research project, and multimodal learning analytics. This role involves developing and applying UV maps and textures to 3D models, following PBR (Physically Based Rendering) workflows. The ideal candidate will interpret and translate concept art and designs into 3D assets that capture the essence of the original artwork while optimizing models and textures for performance and memory constraints within the virtual environment. In addition, experience in the gaming industry and multi-modal learning analytics is an advantage.

Applicants should have a Bachelor's degree or above in a related field such as Computer Graphics, Game Design, Interaction Design or a related field. The ideal candidate should have strong problem-solving abilities, excellent communication skills, and the ability to work collaboratively with the research team while meeting deadlines. Familiarity with virtual reality (VR) or augmented reality (AR) technologies and their application in creating immersive experiences, and knowledge and skills in using VSCode for Python programming to process and analyse educational data are highly desirable.

For further enquiries about the post, please contact Dr Song Yanjie at [ysong@eduhk.hk](mailto:ysong@eduhk.hk).

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Salary will be commensurate with qualifications and experience.

Initial appointment will be made on a fixed-term contract. Fringe benefits include contract-end gratuity, leave, medical and dental benefits.

The University only accepts and considers applications submitted online for the posts. Applicants should complete the [online application form](#) and upload a full CV on or before **2 October 2024**. Applications which are incomplete or without the required documents may not be considered. Personal data provided by applicants will be used for recruitment and other employment-related purposes. For details of the Personal Information Collection Statement, please refer to <http://www.eduhk.hk/jobsopp/index.php?glang=en>.

All applications will be treated in strict confidence. Only those who are shortlisted will be contacted. The University reserves the right not to fill the position(s) advertised.

Further information about the University is available at <http://www.eduhk.hk>.

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