

**Research Assistant I (Ref: 2600427)**

**Department of Mathematics and Information Technology**

**Project Title: Enhancing university students' socially shared regulation of learning (SSRL), collaborative problem-solving, and learning engagement in science learning by an adaptive SSRL mechanism in an extended reality (XR) environment**  
**[Appointment Period: 12 months]**

The appointee will provide technical, research, and coordination support for a project that develops and evaluates an adaptive SSRL mechanism in an extended reality (XR) environment for university science learning.

Duties include developing and refining XR/VR learning scenarios and system functions; assisting in Unity-based XR environment development; integrating AI models, APIs, databases, and frontend and backend functions; implementing interaction scripts, learning activity flows, and system prototypes; conducting system testing, debugging, and optimisation; preparing technical documentation and user guides; supporting pilot implementation and user testing; and performing other duties assigned by the Principal Investigator or his/her delegate(s).

Applicants should have a Bachelor's degree or preferably a Master's degree in Artificial Intelligence, Computer Science, Software Engineering, Educational Technology, Data Science, Engineering, or related disciplines. Strong programming skills are essential, particularly in Python. Hands-on experience in AI application development, Unity, web development, or VR/XR system development is highly preferred. Experience in machine learning, deep learning, natural language processing, computer vision, multimodal data processing, large language model applications, API integration, database management, cloud deployment, or full-stack development will be an advantage. The appointee should be self-motivated, responsible, well-organised, and able to work independently in a fast-paced research and development environment. He/She should also demonstrate good communication skills, strong problem-solving ability, and the capacity to collaborate effectively in a multidisciplinary team.

**For further enquiries about the post, please contact Prof 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 this post. Applicants should complete the [online application form](#) and upload a full CV on or before **23 June 2026**. 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/jobsoff/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. Since the incumbent's work would involve contacts with persons aged under 18 and/or mentally incapacitated persons, prospective employee(s) will be required to undergo Sexual Conviction Record Check operated by the Hong Kong Police Force.

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

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