

Research Assistant I (Three posts) (Ref: 2301082)
Department of Mathematics and Information Technology

Project Titles:

- a) **An interactive avatar toolkit: Enhancing students' online learning engagement in higher education**
- b) **Understanding students' cognitive presence in the metaverse: A multimodal learning analytics approach**
- c) **Developing a multi-modal learning analytics approach to understanding students' social presence in the metaverse – 'Learningverse'**
- d) **Building a collaborative platform for enhancing artificial intelligence applications in education**
- e) **Developing a Metaverse Platform with Virtual Reality – 'LearningverseVR' for Learning and Teaching**

[Appointment Period: 12 months]

The appointees will be responsible for assisting in the further development and refinement of the metaverse platform – Learningverse, utilizing mixed reality and artificial intelligence (AI) technologies. Responsibilities also include research in multimodal learning analytics, especially in the metaverse learning context, project-related literature review and performing any other relevant duties as assigned. The appointment will be for a period of one year, with the possibility of renewal subject to mutual agreement.

Applicants should have a Bachelor's degree or above in Computer Science or a related discipline such as Engineering, and Educational Technology. They are expected to have computer and programming skills, preferably in Python, PHP, and/or web programming, to provide technical solutions to Learningverse. Knowledge and practical experience in machine learning, deep learning, and the ability to apply this knowledge to learning analytics are essential. Familiarity with 3D modeling or gamification is definitely an advantage. Applicants should have high proficiency in English and demonstrate good interpersonal and communication skills.

For further enquiries about the posts, please contact Dr SONG Yanjie at ysong@eduhk.hk.

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 **25 September 2023**. 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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