香港教育大學
The Education University
of Hong Kong

Research Assistant I (Ref: 2501083)
Centre for Learning, Teaching and Technology

Project Title: Special Teaching Assistant with Responsive Sensing (STARS): Research and Development on Multimodal AI-Driven Educational Support Systems for SEN Students [Appointment Period: around 3-4 months]

The appointee will participate in a research project focused on multimodal AI system development for supporting students with autism and moderate intellectual disabilities. He/she will be responsible for:

- studying the requirements for integrating multimodal sensing channels (e.g., video, audio, behavioral, and sensor data) to capture the behavioral and emotional states of SEN students;
- investigating, adapting, and advancing machine learning models, particularly attention-based and transformer architectures, for multimodal analysis of attention, engagement, and emotion;
- conducting experimental studies and large-scale data analyses to validate models on SEN-specific datasets, ensuring rigor, robustness, and fairness;
- contributing to mechanisms for extending validated frameworks toward interactive applications (e.g., LLM-based agents, dashboards) while focusing on research questions;
- drafting manuscripts for submission to international journals and conferences, and supporting patent application preparation on novel methods and findings; and
- performing any other research-related duties as assigned by the Principal Investigator or his delegates.

There will be opportunities for manuscript writing and publications in international journals or conferences. The initial appointment will be for a period of 3 to 4 months, depending on the applicant's qualifications.

Applicants should have a Bachelor's Degree or above in Data Science, Computer Science, Information Technology, Artificial Intelligence, Educational Technology or a closely related discipline with expertise in data science or artificial intelligence. Hands-on experience in programming and background knowledge in artificial intelligence and machine learning will be an advantage. Applications should have good communication skills in both written and spoken English and Chinese, as well as good interpersonal and communication skills. Applicants should be mature and able to work independently. Preference will be given to those with research and/or project development experience.

For further enquiries about the post, please contact Dr. Eugene Fu at eugenefu@eduhk.hk.

Salary will be commensurate with qualifications and experience. Fringe benefits include leave and outpatient medical 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 **17 October 2025**. 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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