

Research Assistant II (Ref: 2600661)
Centre for Learning, Teaching and Technology

Project Title: Research and Development of Robust Refractive Error Detection Utilizing Machine Learning Models and Smartphone Videos
[Appointment Period: 5 months]

The appointee will participate in a research project focused on Machine Learning Framework and Model development for backchannel, engagement and emotion detection. He/she will be responsible for

- contributing to a research project on analyzing video signals and multimodal human interaction and behaviors (e.g., eye gaze);
- exploring and implementing machine learning methods, particularly deep neural network, attention-based and transformer architectures, for multimodal and visual data analysis;
- adapting and extending LLMs and VLMs for multimodal and visual data analysis;
- evaluating and benchmarking models using publicly available and/or self-collected datasets and conducting comparative performance analyses; and
- performing any other 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 5 months, with the possibility of renewal subject to mutual agreement.

Applicants should have at least Level 2 or equivalent or above in five subjects, including Chinese Language, English Language, and Mathematics in HKDSE; or Grade E (Level 2) or above in five subjects, including Chinese, English (Syllabus B), and Mathematics in HKCEE or equivalent. 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 will be an advantage. They should have hands-on experience in programming and background knowledge in artificial intelligence and machine learning. Applicants 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 **14 August 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.

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

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