

**Research Assistant II (Ref: 2500741)**  
**Department of Mathematics and Information Technology**

**Project title: On the significance of assuring the quality of deep learning programs with innovative mutation testing approaches**

**[Appointment Period: 12 months]**

The appointee will join a research project as captioned above. The project aims (1) to advance the capabilities of generative AI to enhance code analysis and automated testing specifically for deep learning programs, addressing several critical objectives; (2) to fill the gap that unlike traditional software development benefitting from rigorous testing, deep learning programs substantially lack analogous testing frameworks, leading to inefficiencies and wasted computational resources. The appointment will be for a period of 12 months with the possibility of renewal subject to agreement.

The appointee will be responsible for supporting research projects. He/she will assist in searching literature, developing algorithms, conducting experiments, analyzing results, writing the papers and reports, managing administrative work, supervising part-time student helpers, and performing other duties as assigned by the project leader.

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. Preferably have a Bachelor's degree with have high proficiency in English and Chinese, preferably in Computer Science, Software Engineering, Data Science, or a related discipline. Candidates should demonstrate the solid skills in software development, project management, and academic writing. Proficiency in some programming languages, such as Python, Java, C/C++, and/or JavaScript, is preferred.

For further enquiries about the post, please contact Dr. Wei Zhengyuan Jankin at [zywei@eduhk.hk](mailto:zywei@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. **Review of applications will start from 31 July 2025, and will continue until the posts is filled.** 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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