



香港教育大學
The Education University
of Hong Kong

Senior Research Assistant / Research Assistant I / II (4 posts) (Ref: 2400871) Research and Development Office (Knowledge Transfer Sub-Office)

The appointees will participate in various research projects related to system integration, including hardware and software development, and develop a platform-independent software framework. They will be responsible for conducting literature review, digital system development, data collection, programming, data analysis and drafting research reports. They are also expected to provide administrative support to the research team. There will be opportunities for manuscript writing and publications in international journals. The appointment will initially be for a period of 12 months, with the possibility of renewal subject to mutual agreement.

Applicants should specify whether they are applying for a 1) hardware development position or a 2) software development position. The responsibilities for each position are listed below:

Hardware development position:

- to design electronic circuit such as PCB layout and simulation, including sensors and microwave systems;
- to program edge processor to interface with hardware components using relevant programming languages and AI development, including Python;
- to collaborate with cross-functional teams to ensure seamless integration of hardware and software components;

Those who are familiar with PCB layout and RF/microwave circuit design would be in an advantageous position.

Software development position:

- to manage and optimize database systems for efficient data storage and retrieval;
- to design mobile applications using Flutter and React Native;
- to utilize JSON for data exchange between frontend, backend, and mobile applications;
- to integrate and implement AI technologies to enhance software functionalities;
- to collaborate with cross-functional teams to ensure seamless integration and functionality of software components;

Those who are familiar with object-oriented programming and have experience in AI, front-end, and back-end system development would be in an advantageous position.

For the post of Senior Research Assistant, applicants should have a master's degree, preferably in Electronic Engineering/ Computer Engineering/ Multimedia Technologies/ Data Science, Sports Science, Psychological Science, Occupational Science or related fields, plus one year's post-Master's degree full-time working experience, or a Doctoral degree in the abovementioned disciplines.

For the post of Research Assistant I, applicants should have a bachelor's degree in Electronic Engineering/ Computer Engineering/ Multimedia Technologies/ Data Science or related disciplines, preferably with relevant post-qualification full-time working experience.

For the post of Research Assistant II, 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. Preference will be given to applicants with a higher diploma or above in Electronic Engineering/ Computer Engineering/ Multimedia Technologies/ Data Science or related disciplines.

For further enquiries about the post, please contact Dr Steve Mung at wymung@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 3 September 2024, and will continue until the post 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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