

THE HONG KONG POLYTECHNIC UNIVERSITY

DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING

Post Specification

Research Fellow / Project Fellow / Postdoctoral Fellow / Research Associate / Project Associate / Research Assistant / Project Assistant (three posts) (Full-time / Part-time) (Ref. 21050615)
[Appointment period: each for twelve months initially, with the possibility of further appointment]

Duties

The appointees will assist the project leader in the research project - “Accommodating myopia therapy training using virtual reality (VR) head mounted device for adolescents and children”. They will be required to:

- (a) develop computer programming, graphics design, and 3D modeling;
- (b) develop and implement VR and DigitalTwin applications;
- (c) conduct research and data analysis;
- (d) prepare and execute trial tests; and
- (e) prepare reports and articles.

Qualifications

Applicants for the post of **Research Fellow / Project Fellow** should have a doctoral degree in Computer Sciences, Engineering, STEM, Optometry or related disciplines plus at least three years of postdoctoral research experience or equivalent qualifications and experience.

Applicants for the post of **Postdoctoral Fellow** should have a doctoral degree in aforementioned disciplines or an equivalent qualification and must have no more than five years of post-qualification experience at the time of application.

Applicants for the post of **Research Associate / Project Associate** should have a Master’s degree or a good honours degree in aforementioned disciplines with three or more years of research/relevant work experience.

Applicants for the post of **Research Assistant / Project Assistant** should have a good honours degree in aforementioned disciplines or an equivalent qualification.

For all posts, applicants should also have:

- (a) knowledge of design and 3D modeling software, such as Blender, 3DMax, etc.;
- (b) knowledge of computer programming, such as Python, C#, Java, etc.;
- (c) good knowledge of game design experience in Unity3D/UE4 or Digital Twin in AI, Blockchain, etc.;
- (d) hands-on experience in software development, trial tests and assessment; and
- (e) good English writing skills.

Preference will be given to those with immediate availability.

Applicants are invited to contact Dr Y. M. Tang at tel no. 3400 3940, fax no. 2362 5267 or email yukming.tang@polyu.edu.hk for further information.

Remuneration

For full-time appointment, a highly competitive remuneration package will be offered. Applicants should state their current and expected salary in the application.

For part-time appointment, the remuneration rate for the posts of Research / Project Fellow, Postdoctoral Fellow, Research / Project Associate and Research / Project Assistant are HK\$394 per hour, HK\$378 per hour, HK\$173 per hour and HK\$122 per hour respectively.

Application

Please send a completed application form by post to **Human Resources Office, 13/F, Li Ka Shing Tower, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong** or via email to yukming.tang@polyu.edu.hk. Application forms can be downloaded from https://www.polyu.edu.hk/hro/careers/guidelines_and_forms/forms. If a separate curriculum vitae is to be provided, please still complete the application form which will help speed up the recruitment process. **The closing date for application is Wednesday, 31 August 2022.** Applicants who are not invited to an interview within two months from the closing date should consider their applications unsuccessful. **Applications should be addressed directly to Dr Y. M. Tang (please state Department of Industrial and Systems Engineering on the envelope).** The University's Personal Information Collection Statement for recruitment can be found at https://www.polyu.edu.hk/hro/careers/guidelines_and_forms/pics_for_recruitment.

Revised on 3 March 2022