LABORATORY FOR ARTIFICIAL INTELLIGENCE IN DESIGN LIMITED

Post Specification

(1) Postdoctoral Fellow (Ref. No.: AiDLab/RP2-3/R030)
[Appointment period: thirty-six months]

(2) Research Associate (Ref. No.: AiDLab/RP2-3/R031)
[Appointment period: thirty-six months]

(3) Scientific Programmer (Ref. No.: AiDLab/RP2-3/R032)
[Appointment period: thirty-six months]

(4) Scientific Programmer (Ref. No.: AiDLab/RP2-3/R033)
[Appointment period: thirty-six months]

(5) Scientific Programmer (Ref. No.: AiDLab/RP2-3/R034)
[Appointment period: thirty-six months]

(6) Research Assistant (Ref. No.: AiDLab/RP2-3/R035)
[Appointment period: thirty-six months]

Duties

The appointees will assist the project leader in the research project – "Negative-mood reduction among HK youth with robot *PAL (Personal Avatar for Life)*".

Qualifications

For post (1), applicants should have a PhD degree in Computing, Physics, Mathematics or other related disciplines, and must have no more than three years of post-qualification experience at the time of application. Applicants should also have proven capabilities in affective computing (*i.e.* quantum-computing approaches).

For post (2), applicants should have an MSc degree in Computing, Physics, Mathematics or other related disciplines, and must have no more than three years of post-qualification experience at the time of application. Applicants should also have proven capabilities in computational linguistics with a focus on Theory of Mind and epistemic modules.

For post (3), applicants should have an MSc degree in Computing, Physics, Mathematics or other related disciplines, and have proven capabilities in one or more of the following areas: software engineering, system management, distributed systems, embedded systems, Internet of Things, (blockchain) security.

For post (4), applicants should have an MSc degree in Computing, Physics, Mathematics, Cognitive Science or other related disciplines, and have proven capabilities in artificial intelligence, preferably in machine learning, (deep) neural networks, and/or fuzzy logics.

For post (5), applicants should have an MSc degree in Computing, Physics, Mathematics, Linguistics or other related disciplines, and have proven capabilities in artificial intelligence, preferably in Natural Language Processing or Natural Language Understanding.

For the **Research Assistant** post, applicants should have an honors degree in Computing or other related disciplines, preferably with an orientation on computational linguistics and text mining.

For all posts, applicants should also have:

(a) programming skills, preferably C^{++}, $C^{\#}$, Python, Java, Linux operating systems; and

(b) knowledge of empirical research, experimental design, advanced statistics (e.g. structural equation modelling, multivariate analysis of variance).

Applicants are invited to contact Professor Johan F. Hoorn at tel no. 2766 4509 or email johan.f.hoorn@polyu.edu.hk for further information. Please return the completed application form, together with a detailed curriculum vitae, to the AiDLab by email to career@aidlab.hk . Application form can be downloaded from here.

Remuneration

A highly competitive remuneration package will be offered. Applicants should state their current and expected salary in the application.

Revised on 26 November 2021