Trainee 
Virtual Reality Unit in Bangkok Thailand

Full-time (100 %)

Purpose of the unit - Virtual Reality (VR)
Our world has become more dynamic than before. People tend to expect more direct and interactive experience to approach different global issues. There is no exception for an international humanitarian organization like the International Committee of the Red Cross (ICRC). Besides, the humanitarian sector is getting more complex with many more stakeholders involved meanwhile the connection to the conflict affected area is distant. As a result, the ICRC has established its VR unit to develop new tools to engage both internal and external stakeholders to have more understanding of the actual humanitarian situation and need in the conflict affected area.

The VR unit in Bangkok is composed of a small multinational team of 3D artists, animators and Unreal engine experts that use computer game technology to develop training tools primarily used by ICRC and external partners.

The unit is constantly experimenting emerging technologies such as VR/AR, Motion capture equipment, Sensor gloves etc., to create more immersive ways to train and illustrate some of the challenging situations that humanitarians face during their work abroad and here at home.

Through this cooperation with the HKUST and its students, the ICRC hopes that the humanitarian discussion can be made aware to wider public and explore the possibilities in which they can bring in new elements how the humanitarian issues can be presented in more dynamic manners.

Job description:
Under the supervision of the Head of Unit and the two programmers, the intern will be responsible to:

- Work a project or assignment(s) at the beginning of the internship with a good level of independence
- Write code in C++ and/or Blueprints to be used in the Unreal Engine
- Collaborate with other programmers and 3D artists to design and implement various gameplay and UI systems
- Conduct research and analyzing development in the field of AI and other emerging technologies relevant to the unit
- Experimenting and testing new technologies such as Motion Capture whenever necessary
- When relevant, accompany and support other senior team members to internal and external meetings and doing the preparation work – this may involve research work and briefing note and, in terms of follow-up, the drafting of reports / minutes

Qualifications:
We are looking for candidates who meet the following, mandatory requirements:

- Currently pursuing a Bachelor’s degree (penultimate/final year) preferably in a relevant field (e.g. Information Technology, Computer Engineering, Computer Science etc.). Students in other disciplines can also apply if they have high potential/ relevant experience in programming, VR/AR or computer game technology.
- Possesses a good command of the English language in order to communicate with the rest of the team and perform research online to facilitate solving complicated programming problems
- Good knowledge of either C++ or C#
- Experience with Unreal, Unity or some other type of Game Engine would be an advantage
- Good track record of working independently when needed but can also be part of a team
- Other Asian languages would be an asset (e.g. Thai, Korean, Chinese, Japanese)
- Available for 6 consecutive months from the start of the traineeship

Successful candidates will also meet the following criteria:
- A manifest interest for humanitarian action/issues and the ICRC.
- Previous experience in the game industry is a major asset
- A demonstrated interest in researches about new technologies and approaches to solutions
- Determination to be a fast learner and can handle a very steep learning curve
- Self-motivated and diligent, with good habits for tracking one’s own tasks and seeking out answers when needed
- The ability to think strategically, to express ideas clearly, both orally and in writing, and to work independently and as part of a team.
- Flexibility and the ability to assist with a variety of tasks based on the needs of the units.

**Contract:**
Recruited trainees will be offered a 6-month paid contract. The position is based at ICRC Delegation in Bangkok, Thailand.