



Trinity College Dublin

Coláiste na Tríonóide, Baile Átha Cliath

The University of Dublin

Job Description

Job Title: Research Assistant (3D Computer Graphics, 3D Computer Vision)

School of Computer Science and Statistics, Trinity College Dublin, Ireland

We are seeking a highly motivated candidate for a research assistant position to work in 3D computer graphics and 3D computer vision.

The successful candidate will join the 3D Graphics and Vision research group led by Prof. Binh-Son Hua at the School of Computer Science and Statistics, Trinity College Dublin, Ireland to work on topics related to generative AI in the 3D domain.

The School of Computer Science and Statistics at Trinity College Dublin is a collegiate, friendly, and research-intensive centre for academic study and research excellence. The School has been ranked #1 in Ireland, top 25 in Europe, and top 100 Worldwide (QS Subject Rankings 2018, 2019, 2020, 2021).

The research assistant is expected to assist the team with fundamental research and engineering problems, supporting publications in top-tier computer vision and computer graphics conferences (CVPR, ECCV, ICCV, SIGGRAPH) and journals (TPAMI, IJCV). Other responsibilities include supporting graduate or undergraduate students with technical implementations and engagement in other research activities such as reading group, workshop organization, etc.

The start date for the position is flexible, with a preferred start in early 2025. Contract duration is 1 year with the option of renewing for a second year.

The successful candidate will require the following skills and knowledge:

- At least BSc / MSc in Computer Science or equivalent;
- Strong background in 3D computer graphics, 3D computer vision;
- Hands-on experience in training deep models and generative models is required;
- Hands-on experience and relevant technical skills in computer graphics and computer vision application development such as OpenGL, OpenCV, CUDA, Blender is desirable;

- Strong programming skills in C++, Python. Capability in implementing and maintaining systems from research papers and open-source software.
- Additional background in math, statistics, or physics is an advantage.

Applicants should provide the following information:

- A comprehensive CV;
- The name and contact details of two referees.

Interested candidates should email their applications to Binh-Son Hua (<https://sonhua.github.io>) directly. Applications will be reviewed on a rolling basis until the position has been filled.