

Real-Time Senior Rendering Software Engineer (Unreal Engine)

About us

SimthetiQ is a global provider of simulation and training solutions with a 20-year track record. As one of the leading providers of 3D Simulation Entity Models, we integrate our visual products in different gaming platforms such as Unreal Engine and Unity and develop innovative solutions for virtual and mixed reality applications (AR/MR/VR/XR). We currently have an opportunity for a Senior Software Engineer with a strong background in Unreal Engine with the main function as real-time rendering expert.

About the job:

In collaboration with the company's development teams the candidate will participate in the further development of our professional Simulation Entity Models as well as Digital Twin Applications for use in various fields, industries, and countries. The candidate will also participate in R&D activities, improvement of processes, procedures and 3D content creation pipelines.

Key responsibilities:

- Develop and maintain high quality rendering systems for AAA Serious games
- Research, innovate and implement cutting edge real-time rendering techniques
- Collaborate across teams and disciplines to provide highly productive and effective art and content workflows
- Undertake performance profiling and optimization on Unreal Engine
- Work closely with engineering and art teams to create effective solutions and ensure accurate functionality
- Work within the development team to prioritize and develop procedural assets to streamline processes, workflows, and pipelines
- Participate in the collective effort of improving and evolving the company's production methods, tools, and techniques.
- Document knowledge and workflows for internal training and development
- Inspire, mentor and guide junior team members

Knowledge, skills, and abilities:

- BSc degree in Computer Science, or equivalent experience
- Extensive real-time computer graphics knowledge
- Strong in C# or C/C++, data-driven design, and architecture skills
- Strong experience with Unreal Engine
- Expertise at profiling and optimization
- Excellent collaboration and communication skills

What we offer you:

- Flexible work policy (hybrid and in-person)
- Group insurance plan and Dialogue program

Additional Information:

- Location : 6250 Hutchison, Suite 200, Montréal, Québec
- Type of Contract : full time
- Contact : jobs@simthetiq.com