



About IMAGINE

Imagine (www.imagine3d.fr) develops real-time 3D visualization software based on our internal 3D engine. The company has been created in 2006, and is located in Northeast France, south from Colmar, in the heart of the beautiful Alsatian vineyard.

Our “Image Generator for Air Traffic Control simulator” product is used by customers all around the world (UK, Sweden, Ireland, Poland, Netherlands, Dubai, Qatar, Oman, Malaysia, Indonesia, Brazil, etc...). The technology developed as part of the new version 4.0 of our software opens up a lot of new opportunities.

Job Description

Imagine is looking for a creative, passionate and hard-working 3D graphics engineer. The successful applicant will design, implement, enhance, and optimize new and existing modules from our 3D engine, libraries and tools:

- Extend software and 3D engine to meet customer’s requirements and keep technology up-to-date
- Investigate, prototype and implement new rendering techniques
- Fix bugs reported by customers
- Manage junior developers

Required skills & experience

- Passion for real time computer graphics and solid software engineering principles
- Bachelor’s / Engineer’s degree in Computer Software Engineering or equivalent
- One-to-three years’ experience as a graphics engineer
- Strong C/C++ coding and debugging skills
- Strong understanding of 3D math
- Experience with advanced lighting, shadowing techniques and modern graphic pipeline
- Experience with Direct3D, OpenGL, Vulkan or other graphics APIs (experience with D3D11 and/or Vulkan would be great)
- Experience with shader code (e.g. HLSL, Cg, GLSL)
- Experience with multithreading
- Proactive, creative problem solver, good communication skills
- Knowledge of written and spoken English

Optional skills

- Experience with physic engine API (PhysX, Bullet, etc...)
- Experience with synchronization over network
- Experience with large codebase
- Experience with globe/terrain rendering algorithm & streaming techniques
- GIS knowledges
- Experience in simulation area

To apply

Send an email to Grégory Jaegy (g.jaegy@imagine3d.fr) with resume and cover letter.

