3D Programmer - (Assassin's Creed HEXE)

Montreal - Full-time - 744000151643119

Apply Now:
https://jobs.smartrecruiters.com/Ubisoft2/744000151643119-3d-programmer-assassin-s-creed-hexe-?oga=true

As a **3D Programmer** at **Ubisoft Montreal**, you will focus on the rendering systems for the *Assassin's Creed HEXE* project. You will work closely with the **Anvil Pipeline Rendering Team** to maintain the stability, efficiency, and adaptability of the engine across current-generation consoles and PC.

What you'll do

- Contribute to the entire rendering engine, including opaque rendering, shadows, post-processing effects, and compute-based systems.
- Support rendering development in close collaboration with the Anvil Pipeline Rendering Team.
- Diagnose project-specific issues, including GPU hangs and complex rendering bugs.
- Evaluate performance and implement optimizations throughout the rendering pipeline.
- Design and implement alternative rendering solutions tailored to consoles with more limited hardware capabilities.
- Support the Toolmode Data Generation pipeline from a rendering perspective.

What you bring to the team

- A bachelor's degree in Computer Science, Computer Engineering, or an equivalent qualification.
- Strong understanding of modern real-time rendering systems, including opaque rendering, shadows, post-processing effects, and compute-based pipelines.
- Hands-on experience shipping games on **PlayStation 5**, **Xbox Series X/S**, or **Nintendo Switch 2**.
- Experience troubleshooting platform-specific rendering issues, including GPU hangs.
- Proficiency with GPU profiling tools to identify and resolve performance bottlenecks.
- Ability to navigate large codebases and effectively contribute to less familiar systems.
- Experience with proprietary game engines such as **Anvil** is an asset.
- Knowledge of toolchains and data generation pipelines such as **Toolmode** is an asset.
- Experience collaborating with engine or pipeline teams distributed across multiple studios is an asset.

What to send our way

- Your resume highlighting your skills and experience.
- Code samples, repository links, or other relevant projects.