Roman Timurson

An accomplished Software Engineer specializing in Game Programming and Design with extensive experience in the full production cycle of video games with an emphasis on 3D graphics, physics, and third-party engine integration.

SUMMARY OF QUALIFICATIONS

- Strong knowledge of computer graphics and algorithms with experience ranging from OpenGL/DirectX APIs and GLSL/HLSL shader languages to optimization of rendering pipeline.
- Solid understanding of Object-Oriented Analysis/Design and C/C++ Development, skilled at progressing from feature requests to well-documented designs.
- Analytical thinker that consistently resolves system issues or defects, often finding solutions to problems that have eluded resolution by others.
- Possess effective communication skills such as conveying challenging concepts to team members and collaborating with others to maximize levels of productivity.

TECHNICAL EXPERTISE

Programming: C/C++/C#, Objective C, Java, JavaScript, Python

APIs and Libraries: OpenGL 4.6/ES, GLSL/HLSL, DirectX, STL, Lua, HTML5/WebGL, Unity3D, and

Torque Engines

Math: Linear Algebra (Vector/Matrix 3D Math), Computational Geometry

Graphics: Real-Time Shadows, Lighting, Postprocessing Effects, Particle Engine, shaders
Software: MS Visual Studio, QNX Momentics/Eclipse, XCode, Perforce/Git/CVS/SVN
Other Skills: Bilingual (Russian and English); experience with computer hardware

PROFESSIONAL EXPERIENCE

Microsoft, Redmond, WA Software Engineer

12/2019 - 09/2020

Worked on the popular Minecraft game for the Chinese consumer market. Provided support for the font rendering system and performance improvements.

International Game Technology, Reno, NV **Software Engineer**

05/2007 - 06/2019

Developed numerous features for IGT's Advanced Video Platform (AVP) such as graphics engine enhancements, movie playback optimization, support for the Torque 2D/Unity engines, and troubleshooting.

• Worked as primary engineer on five full production slot games utilizing Unity3D game engine. Implemented several celebration/transition effects and custom shaders for the 3D content.

EDUCATION

DigiPen Institute of Technology, Redmond, WA

09/2003 - 04/2007

B.Sc. in Real Time Interactive Simulation (Computer Science), minor in Mathematics and Physics *Dean's Honor List*

HONORS AND AWARDS

National Scholar, The Horatio Alger Association of Distinguished Americans Distinguished Honor Graduate, United State Army Military Intelligence Battalion