

Innfarn Yoo, Ph.D.

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Education:

Aug 2012 to Aug 2015 Ph.D., Purdue Polytechnic Institute, Purdue University, US
Aug 2010 to May 2012 M.S., Computer Graphics Technology, Purdue University, US
Mar 2001 to Feb 2010 B.S., Mathematics, Konkuk University, Republic of Korea

Experience:

Sep 2015 to Present **Senior System Software Engineer** at NVIDIA Corporation
Jan 2011 to Jul 2015 **Research and Teaching Assistant** in College of Technology,
Purdue University
May 2014 to Aug 2014 **Summer Intern** at **NVIDIA** in Santa Clara, **worked** at OpenGL
Workstation team as a Software Engineer
May 2013 to Aug 2013 **Summer Intern** at **DreamWorks Animation** in Glendale, worked at
R&D department as a Software Engineer
Jan 2006 to May 2009 **Senior Researcher** of Neople Inc., South Korea

Projects:

Motion Retiming The paper is published **Computer & Graphics Journal**.
The related poster will be presented at **NVIDIA GPU Technology
Conference (2015)**.
Sketching 3D Animation The paper is published **The Visual Computer Journal**
The related poster was presented at **NVIDIA GPU Technology
Conference (2013)**.
Dungeon & Fighter Multiplayer Online Role Playing Game (MORPG)
Security (Developing anti-hacking module), Asynchronous Texture
Loading, Texture Compression, TCP/UDP Packet Compression.
Website: <http://dungeonfighter.nexon.net/>
Realistic Rendering Developing Realistic Renderer including basic Ray Tracer and Monte
Carlo Path Tracer.

Key Skills and Competencies:

Languages **C, C++, Python, HLSL, GLSL, CG**, Assembly, Java, C#
Graphics **Path Tracing, Ray Tracing, DirectX, OpenGL, Visualization Toolkit**
Parallel Programming **CUDA, OpenCL**, OpenMP, Intel SIMD Assembly Programming
ETC **Standard Template Library, BOOST, Design Pattern**

Awards:

2014 Sriver Graduate Scholarship
2010 Sriver Graduate Scholarship

Bold Gray Text in "Key Skills and Competencies" part means **HIGH LEVEL**.

Bold Black Text in "Key Skills and Competencies" part means **VERY HIGH LEVEL**.