Stavros Diolatzis

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EDUCATION

PhD in Computer Graphics, Inria   2019 - 2022

Sophia Antipolis, France. Graphdeco Team. Supervised by Dr George Drettakis
Expected defense date June 2022

MSc High Performance Computer Graphics & Games Engineering   2017 - 2018

University of Leeds, UK. Finished with Distinction
Thesis: Real-Time Point-Based Rendering

Diploma of Electrical & Computer Engineering   2009 - 2016

University of Patras, Greece
Thesis: Voxel Based Multigrid Solver for 3D Deformable Objects. Advised by Prof. K. Moustakas

PROFESSIONAL EXPERIENCE

Research Intern at NVIDIA Research, Zürich   Sep 2021 - Jan 2022

Research of generative neural rendering algorithm (Work in progress)

Predoc Intern at Inria, Sophia Antipolis   Oct 2018 - Mar 2019

Worked on optimizing speed and memory requirements of Path Guiding

Application Development Associate at Accenture, Athens   2016 - 2017

Worked on FinTech for Piraeus Bank and National Bank of Greece

Development Intern at Eventora, Athens   Mar 2016 - Jul 2016

Worked on developing a mobile application for event organizers

PUBLICATIONS

Practical Product Path Guiding using Linearly Transformed Cosines   2020

Stavros Diolatzis, Adrien Gruson, Wenzel Jakob, George Drettakis. EGSR 2020

Active Exploration for Neural Global Illumination of Variable Scenes   2022

Stavros Diolatzis, Julien Philip, George Drettakis. Transactions on Graphics
To be presented at SIGGRAPH 2022, available upon request

MesoGAN: a Generative Model for Meso-Scale Materials   2022

Stavros Diolatzis, Jonathan Granskog, Fabrice Rouselle, Jan Novak, Ravi Ramamoorthi, George Drettakis
Work in Progress

SKILLS

Knowledge:	I have worked extensively on Path Tracing and MCMC as part of my first PhD project, Neural Rendering as part of my second and third and Generative Models as part of my third.
Programming:	C++, Python, Java, C, GLSL, Cuda, SQL
Software & Tools:	Microsoft Visual Studio, PyCharm, Mitsuba 1/2, ImGui, PyTorch, Inkscape
Languages:	**English**: Full professional proficiency **Greek**: Native Speaker **German**: B1 Independent Speaker