## **CHRISTIAN ROBLES**

Recent MSc. Graduate, Graphics & Gameplay Programmer chrobles4@gmail.com | (909) 451-1716 | Los Angeles, CA | blog.roblesch.page

----- PROJECTS-

	JLC13	
Vulkan Graphics Engine Developing a Vulkan engine with the C++ API, V complex gITF models with textures, normal maps, E	MA, SDL2 and ImGui. Currently sup	
Grandma Green Collaborated with artists, designers and developer 6,800+ downloads on the App Store. Owned the de		_
Directed Research: EARS  Developed a Monte Carlo Forward Path Tracer dem "EARS: efficiency-aware Russian roulette and splitt Shared a bi-weekly development series on my blog	ting" with the advisory of Professor	Ulrich Neumann.
MaterialX Standard Surface to glTF Expor Worked with the Autodesk Graphics Platform tear Autodesk Standard Surface to glTF PBR. Contribute	n to extend MaterialX with an expor	
Ray Marching Renderer Led a team of four students in the design and dev renderer demonstrating procedural materials, displ		2022 distance function
WORK EX	KPERIENCE———	
Software Engineer Intern, Autodesk Extended MaterialX with the Autodesk Graphics Pla	atform team.	2022
Software Engineer II, Microsoft Delivered cloud solutions with strategic partners in	healthcare and finance.	2017 - 2021
EDUC	CATION ————	
Master of Computer Science, Multimedia University of Southern California, 3.73 GPA	a & Creative Technologies	2021 - 2023
Bachelor of Computer Science Arizona State University		2013 - 2017
SK	ILLS———	
Programming Languages C++, Python, GLSL, C#, TypeScript, CMake	Software & APIs Vulkan, RenderDoc, GLM, SDL2, ImC	Gui, Unity, Godot