CHRISTIAN ROBLES

PROJECTS———

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

	JLC13	
Vulkan Graphics Engine Developing a Vulkan engine with the C++ API, Vicomplex gITF models with textures, normal maps, B	MA, SDL2 and ImGui. Currently supports	_
Grandma Green Collaborated on the development of a virtual pet downloads on the App Store. Owned the design & c	and farming simulation game in Unity w	
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	onstrating results from the SIGGRAPH '22 ing" with the advisory of Professor Ulrich	Neumann.
MaterialX Standard Surface to gITF Expor Worked with the Autodesk Graphics Platform team Autodesk Standard Surface to gITF PBR. Contributed	n to extend MaterialX with an export wor	
Ray Marching Renderer Led a team of four students in the design and dev renderer demonstrating procedural materials, displ		2022 ce function
WORK EX	(PERIENCE—————	
Software Engineer Intern, Autodesk Extended MaterialX with the Autodesk Graphics Pla	tform team.	2022
Software Engineer II, Microsoft Delivered cloud solutions with strategic partners in		17 - 2021
EDUC	ATION ————	
Master of Computer Science, Multimedia University of Southern California, 3.73 GPA	& Creative Technologies 202	21 - 2023
Bachelor of Computer Science Arizona State University	201	13 - 2017
SK	ILLS————	
Programming Languages C++, CMake, C#, Python, TypeScript	Software & APIs Vulkan, GLM, SDL2, ImGui, RenderDoc, Ur	nity, Godot