

The special effect of Dell and NVIDIA on AI in VFX

Curt Skelton + Dell Precision AI workstations +
NVIDIA RTX™ Ada Generation GPUs



At a glance

Challenge

Visual effects (VFX) artists like Curt Skelton need AI-ready computers so they can utilize new AI-powered tools like CopyCat to meet tighter deadlines, shrinking budgets, and growing demand.

Solution

Skelton chose a Dell Precision desktop workstation with an NVIDIA RTX 6000 GPU and a Precision 5690 mobile workstation with an NVIDIA RTX 5000 GPU to accelerate his VFX workflow using CopyCat.*

Impact

Green screen work that used to take Skelton up to 30 minutes can now be completed in about five minutes. It's one example of how Dell and NVIDIA are helping VFX artists leverage AI in and out of the office.



[My Dell 5690] laptop saved a music video project when I had just a few hours left. Without it, there's no way I could have finished on time."

Curt Skelton
VFX artist



Situation

Making magic happen is nothing new to VFX artists like Curt Skelton. However, the intense pressure to do more with less is greater than ever before. Tighter deadlines, shrinking budgets, and growing demand have pushed traditional VFX workflows to their limit. There is less and less time to complete tasks using manual methods.



Challenge

AI tools like CopyCat are revolutionizing the VFX industry. CopyCat is a powerful machine learning (ML) feature in Foundry's Nuke compositing software. It enables artists to train their own ML models and automate repetitive tasks. But the computers that can run traditional VFX software might not have the power to handle newer compute-intensive AI processes.



Solution

A Dell Precision AI desktop or tower workstation with an NVIDIA RTX 6000 GPU is perfect for larger rendering tasks. The Precision 5860 and 3860 Tower workstations, in particular, are equipped to handle multiple layers of effects, textures, and complex simulations. For VFX artists on the go, the Precision 5690 mobile workstation with an NVIDIA RTX 5000 GPU can easily run AI-powered software.



Impact

Skelton cut 30-minute green-screen tasks down to about five minutes. His Precision desktop workstation powers through high-end rendering, real-time ray tracing, and depth mapping. "It handles the heavy lifting when I need to run ML models on complex scenes," Skelton said. He's thrilled that his Precision 5690 mobile workstation runs CopyCat "on par with the tower PCs in our server room."

Learn More about Dell and NVIDIA for AI in media and entertainment