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A Brief History of Computer Graphics



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History noty

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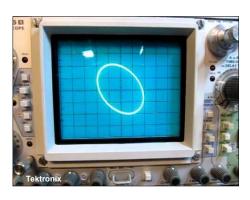
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1950s

- Pen Plotters
- Computer-controlled oscilloscopes

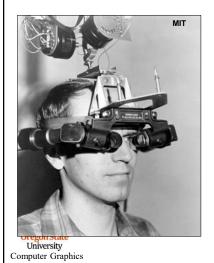




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1960s

- Ivan Sutherland's SketchPad project
- Interaction
- Vector displays



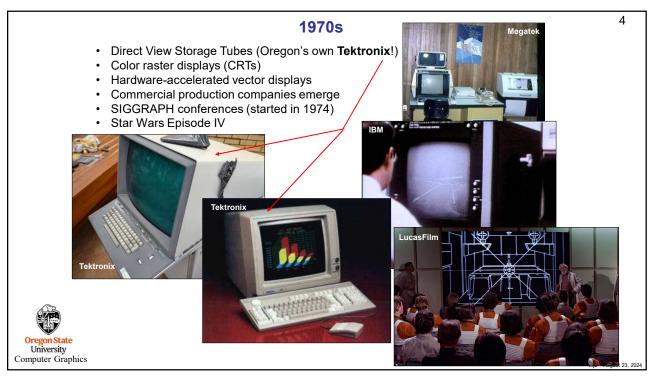




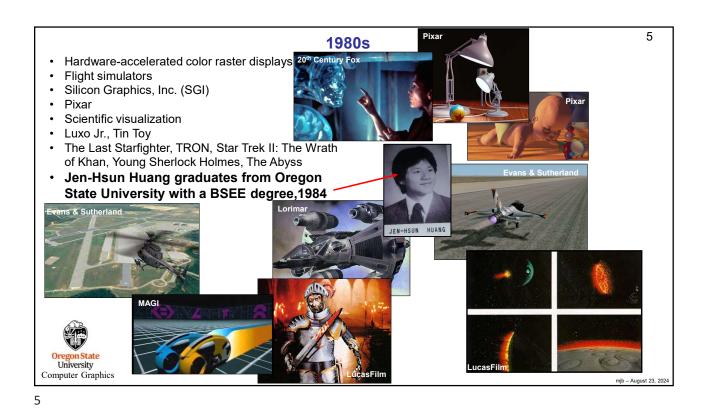
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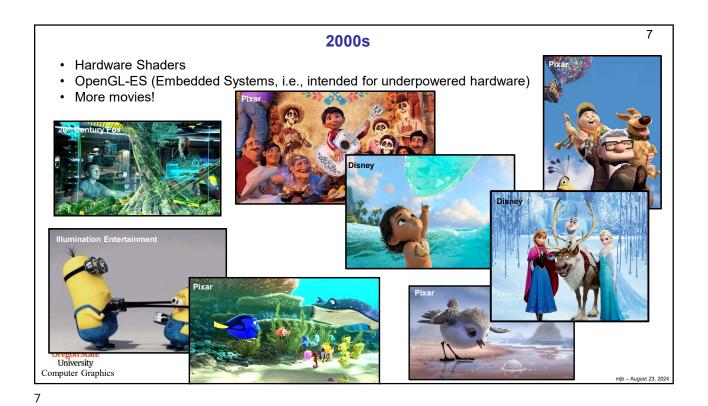
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Where Are We Now?

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- Ongoing OpenGL-ES/WebGL merger with OpenGL desktop
- Mobile platforms (tablets, phones)
- 3D movies
- Virtual and Augmented Reality
- · Hardware support for ray-tracing
- Vulkan, DX12, Metal



 Game Engines and giant screens being used for live backgrounds in movie-making

University Computer Graphics

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Immense Virtual Movie Sets are a Big Thing Now First used in producing The Mandalorian? The screen is 270° around and 20 feet high! Oregon State University Computer Graphics

Uses for Computer Graphics						11
Animation			Tr Training		Traffic	
Simulation	n Art Cartoo	Game	vigation s Architecture	Movies TV	History Advertising	
City Planning Pl			Co lanning	mmercials	Cartography	
Scientific Visualization		Styling	Education	Design		
		ata Amusement Par ization		Chemistry		
Medi	Medicine Construction Oregon State University		Veterinarian	Manufacturir	ng Land Use Management	
			Science	Computer G	raphics is for everyone!	mjb – August 23, 2024