

A VIRTUAL PRODUCTION: APPLICATION AND IMPLICATIONS FOR EDUCATION IN STAGE AND SCREEN

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VIRTUAL PRODUCTION: APPLICATION AND IMPLICATIONS FOR EDUCATION IN STAGE AND SCREEN

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- ☐ **What is Virtual Production?**
- ☐ **Approaches to Virtual Production**
- ☐ **Applications in Stage and Screen Education**
- ☐ **Implications for Institutions**

"Virtual Production refers to a filmmaking technique that combines traditional filmmaking with the use of computer-generated elements in real-time.

This strategy involves the integration of physical set elements and actors with virtual environments and effects. These experiences are often facilitated by advanced technologies like motion capture and real-time rendering engines".

COBALT STUDIOS, 2023

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❏ What is Virtual Production?

Staff Research Conference, 24 June, 2024



COBALT STUDIOS, 2023



WALT DISNEY STUDIOS, 2016

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HBO, 2021

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FULL SAIL UNIVERSITY FLORIDA, 2024

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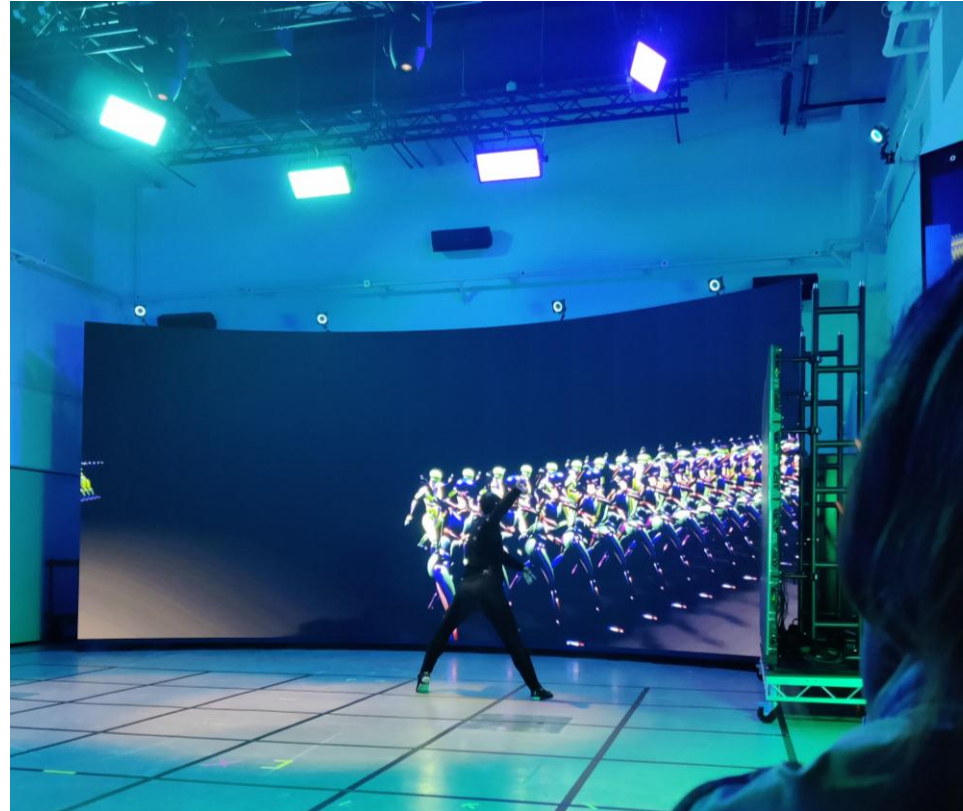
❏ Applications in Stage and Screen Education

Staff Research Conference, 24 June, 2024



"We are thrilled to see the North-East welcome the Advanced Media Production studio to PROTO. It will provide amazing opportunities for upskilling and will further support the region's vision to become a growing force in film and TV production. We are looking forward to working with Digital Catapult and Target3D to ensure this studio is utilised to its full potential. It is an exciting time for the screen industry in the North-East!"

**Alison Gwynn, Chief Executive,
North East Screen**



**Advanced
Media
Production**

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“If I had to sum it up, I think there is a major disconnect between the courses being requested by senior members of the film and TV industry, the people who are designing them and running them, and the working conditions in the industry and the professionals working on the front line.”

**PARTICIPANT, THE EVOLUTION OF VIRTUAL PRODUCTION,
XRSTORIES, UNIVERSITY OF YORK, 2023**



Camera competencies for virtual production

How to incorporate virtual production into the camera department



Lighting competencies for virtual production

How to incorporate virtual production into the lighting department



Visual effects (VFX) competencies for virtual production

How to incorporate virtual production into the VFX department

SCREENSKILLS, VIRTUAL PRODUCTION COMPETENCIES

☐ References and Further Reading

Staff Research Conference, 24 June, 2024

THE MAKING OF THE JUNGLE BOOK (2016)

<https://youtu.be/vkNArCG80Bg?si=GkPAFqAb2HEa-Oh0>

WESTWORLD: CREATING WESTWORLD'S REALITY - BEHIND THE SCENES OF SEASON 3 | HBO (2021)

<https://youtu.be/7uhtzVN0VNo?si=X9p1wWqrYFcK5-9R>

COBALT STUDIOS: A DIVE INTO VIRTUAL PRODUCTION TECHNOLOGY

<https://cobaltstages.com/2024/a-dive-into-virtual-production-technology/>

STUDIO V1: VIRTUAL PRODUCTION | FULL SAIL UNIVERSITY

https://youtu.be/bnDQrswzmXc?si=oi_6klgMY8eK-PtZ

PROTO - <https://www.proto.co.uk/>

WILLMONT, N., SWORDS, J., THOMAS, B. *THE EVOLUTION OF VIRTUAL PRODUCTION: ISSUES AND OPPORTUNITIES* (2023) XRSTORIES, accessed at:

<https://xrstories.co.uk/publication/the-evolution-of-virtual-production-issues-and-opportunities/>

SCREENSKILLS

<https://www.screenskills.com/training/virtual-production-competencies/>

STORYFUTURES – VIRTUAL PRODUCTION SKILLS REPORT 2023

https://www.storyfutures.com/uploads/docs/StoryFutures_VP_Skills_Report_2023.pdf

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