

# How CGI is used and applied in industry?

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# What is CGI?

- CGI or computer-generated imagery is a broad term referring to the use of computers to create digital media.
- In my project I have researched the ins and outs on how various CGI techniques are used in movies, games and other media.

"Imperfection is the digital perfection"

-Andrew Price

# My Objectives

The aim of my EPQ was to write a in depth report demonstrating and explaining a range of techniques and how they are used.

In my project I created various renders and scenes to display not only how I have applied my research, but also to show with first-hand knowledge how specific methods are done.

I specifically wanted to create a well written document that could easily explain advanced techniques to someone new to the topic with no knowledge or experience.

# Scene composition

In my project I created renders to display techniques in real situations. For example, most furniture stores use 3D models to advertise their products. This enables more flexibility in changing aspects of the product and scene.

This render was made by me using simple shapes to replicate a kitchen scene. I made scenes with differing composition like this one to show how techniques are used to display products, put into a video game engines or to chroma key (green screen) actors or assets on to the scene.





# Achievements

Overall, I feel my EPQ went well. I feel I have given a valuable insight and explained clearly my topic.

In writing my project I have developed my typing, vocabulary and formal writing skills. I also feel I would be much more confident in my ability to research and explain topics in future projects therefore, I feel my EPQ has been invaluable.

Due to my primary research, I am now able to competently able to create realistic looking digital media using software.



# My Experience

After researching into the use and application of CGI I now feel I can appreciate the time and effort that goes in to creating CGI for movies and video games as well as the skill required.

Researching my project has opened my eyes to the possibility of taking this further and studying a related course at university and as a possible career path.

Thank you for listening