

Outline

- Video games as a highly profitable creative industry
- Video games as a complex subject matter
- Video games as a vehicle for creativity
- Al's role case study on Al Dungeon



















MASTERING THE GAME

Business and Legal Issues for Video Game Developers

A Training Tool



- 178 billion dollars worldwide in 2020
- 400% increase since 2007 when the iPhone was launched
- In 2020 revenues in VGs exceed revenues from the film industry (80.8 billion dollars) book industry (87.92 billion dollars) and the music industries (57.5 billion dollars)



Video games as a complex subject matter

Nintendo, C-355/12

- "... videogames [...] constitute complex matter comprising not only a computer program but also graphic and sound elements, which, although encrypted in computer language, have a unique creative value which cannot be reduced to that encryption. In so far as the parts of a videogame, in this case, the graphic and sound elements, are part of its originality, they are protected, together with the entire work, by copyright in the context of the system established by Directive 2001/29." [para 23]



Video games as a vehicle for creativity

Successive creativity

Examples: UGC, fan fiction, streaming

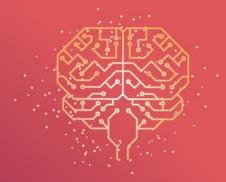
See further: Amy Thomas, 'You Can Play', 2022 – CREATe,
University of Glasgow – contracts (not copyright) as enablers of user creativity (30 popular game titles; seven different types of UGC activities) => "an almost Creative Commons-style system of user enablement"

In-game creativity

Al's role and prompt engineering



February 2022



Opportunities and Challenges of **Artificial Intelligence** Technologies for the **Cultural and Creative Sectors**













Al and the creative industries

- Architecture, book publishing, fashion and design, film, museums and cultural heritage, music, news media, performing arts, visual arts, video games
- Benefits of Al:
 - cost-saving
 - increased efficiency
 - decision-making
 - discovering and engaging with new audiences
 - inspiring human creation

Procedural content generation (PCG)

- Adaptive games
- Algorithmically generating game content (levels, tasks, maps, characters)
- Benefits
 - Enhanced shelf-life of a game
 - Reduces development costs
 - Bolster creativity

Al Dungeon

- Developed by Latitude
 - US
 - Start-up (2019)

- Al Dungeon
 - Text-adventure game, generating storylines in response to player prompts
 - DO/SAY/STORY/SEE
 - Multi-player



Pick a setting...

- 1 Fantasy
- 2 Mystery
- 3 Zombies
- 4 Apocalyptic
- 5 Cyberpunk
- 6 Custom
- 7 Archive

Select a character...

- 1 Noble
- 2 Princess
- 3 Knight
- 4 Wizard
- 5 Witch
- 6 Ranger
- 7 Squire
- 8 Peasant
- 9 Fairy
- 10 Rogue

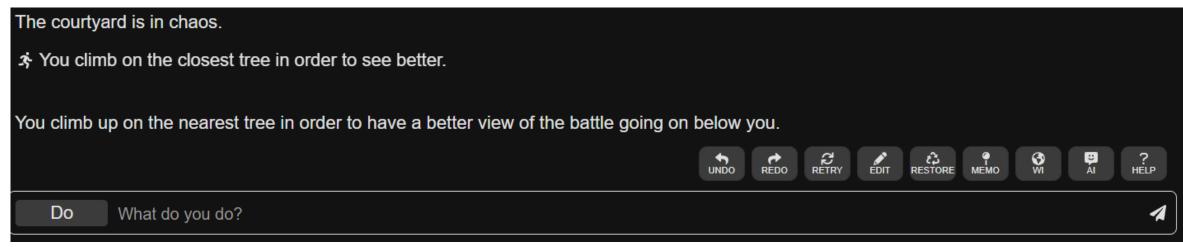
Enter your character's name...



You are Alilea, a princess living in the kingdom of Larion. You wake up in a big feather bed and hear clamoring outside your door. A knight rushes in to tell you that the king and queen are in danger! You throw on some clothes and rush out of your chamber to see what's going on.

The courtyard is in chaos.

Do What do you do?



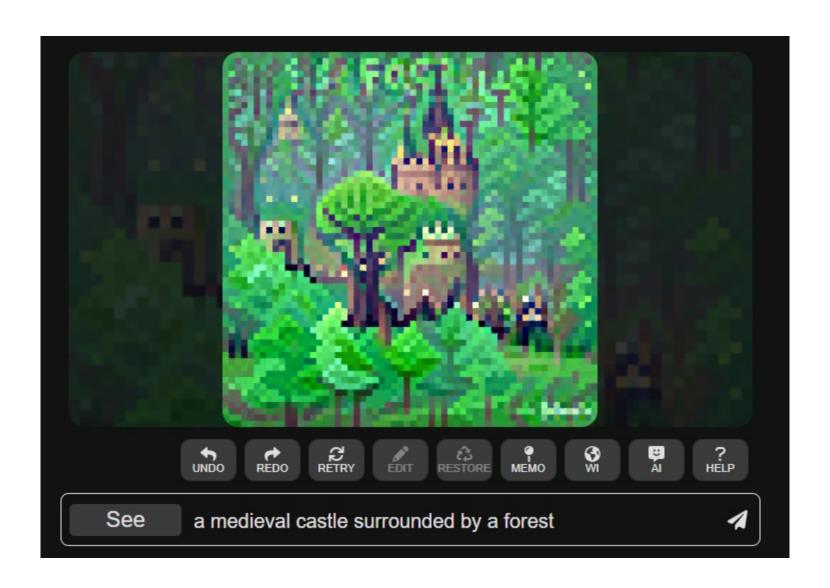
You climb up on the nearest tree in order to have a better view of the battle going on below you.

• You say "Who is the goblin with the pink ears?!"

You call out, "Who is the goblin with the pink ears?!"

Your voice echoes in the forest.









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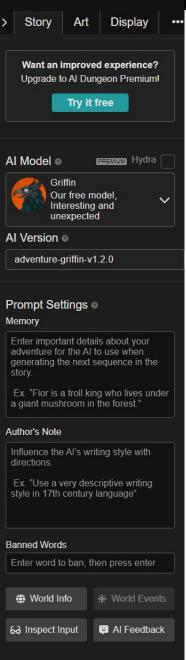
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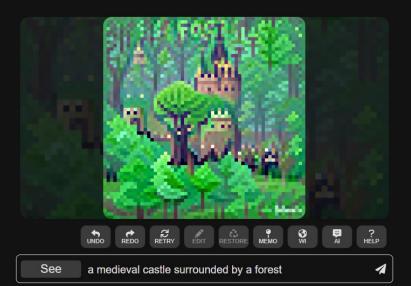
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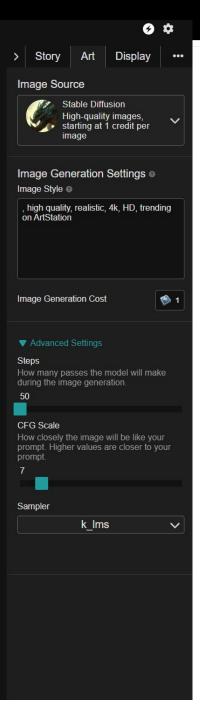
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Copyright originality

- Human author
 - user
 - programmer
- Originality => author's own intellectual creation
 - 'Do' and 'say' may fall below the threshold
 - 'Story' potentially, yes...
 - 'See'
 - Prompts enough for 'intellectual creation'?
 - Diffusion ML models dissection
 - Permissive open-source model

ARTIFICIAL INTELLIGENCE / TECH / LAW

Getty Images sues Al art generator Stable Diffusion in the US for copyright infringement





/ Getty Images has filed a case against Stability AI, alleging that the company copied 12 million images to train its AI model 'without permission ... or compensation.'

Feb 6, 2023, 4:56 PM GMT | 16 Comments / 16 New

An illustration from Getty Images' lawsuit, showing an original photograph and a similar image (complete with Getty Images watermark) generated by Stable Diffusion. Image: Getty Images



By JAMES VINCENT

Legal News

Getty Images taking UK action against Stability AI for copyright infringement in AI training



Published on: 24 January 2023

Published by a LexisNexis IP expert

 Getty Images taking UK action against Stability AI for copyright infringement in AI training

Article summary

TMT analysis: Sarah Chittock, associate at Marks & Clerk, considers the first major intellectual property (IP) dispute within the UK concerning copyright infringement in artificial intelligence (AI) training. Sign in or take a trial to read the full analysis.

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Points for further discussion

Input issues (TDM) – fair use? Fair dealing?

Patents and non-player characters (NPCs)

Contracts – terms of service (ToS)



Many thanks. Questions?

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