

# CSC466 Assignment- AI and Generative Art

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## Abstract

This assignment entails interacting with AI image generators and the controversy surrounding them. Below are some images generated by AI, reactions to those images, and some reflections on the positive and negative aspects of this emerging technology.

## First Image Generation

Prompt: The happy robot hugged the dog



This image was generated at deepai.org using the above prompt and no other parameters or custom settings. The best way to describe the image would be “nightmare inducing”. The human and the dog both have a deeply uncanny look to them, as though drawn by someone who’s vaguely heard of

people and dogs. The term “happy robot” seemed to confuse the image generator as well. The human seems to be holding or wearing an electronic device, which is as close as the image gets to a robot. The fact that the generator interpreted the prompt to involve a human face at all suggests that it is unaware of its own weaknesses. Human features such as faces and hands are known to be some of the hardest things for image AI to depict.

## Second Image Generation

Prompt: The cat goes to school



This image was generated at deepai.org with no parameters other than the above prompt. This image, at least, is less uncanny and off-putting than the previous one, but didn't capture the essence of the prompt. It seems to imply that a school child drew an image of a cat, presumably using the pen in the image, rather than a cat actually being in a school. If a child had drawn this and showed it to me, I'd have said it was quite nice.

## Reflection

AI Image generation is an interesting step forward from image recognition. The code behind this technology is an impressive undertaking. In addition, having the ability to generate an image without any artistic ability to speak of can be a very useful thing. People have argued it's an equalizing force.

However, AI image generation has negative effects on the world of art. Many artists are furious that various AI are using their images in their training data without permission. Copyright law in this area is unresolved, but the artists have a serious claim that training an AI on copyrighted work without permission constitutes copyright violation. There is also concern that AI image generators will harm artists' ability to make a living from their work.