## MACHINE VISIONS

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Richard A Carter

## MACHINE VISIONS

Richard A Carter

## NOTES

All the images in this text were generated using a local copy of Stable Diffusion V2, running in fp16 format, 70 iterations per image, outputting at 768 x 768 pixels. The accompanying figure captions reveal the exact prompts used. No modifications have been made to any of the images, which are displayed in order of production.

This text catalogues a speculative investigation into machine vision systems, in which generative AI was used to excavate the word-image associations surrounding these technologies, and thus, map creatively their wider cultural imaginaries. This text concludes with an additional, speculative gesture, in which the generated images are parsed through a poetic machine vision algorithm of the author's own design, using the analysed data to rearticulate contemporary academic meditations on the nature, significance, and potentials of generative AI more broadly.

The formal outcome of this investigation was an article mixing theory, experiment, and creative practice for a special issue of OLH, "Cultural Representations of Machine Vision": Carter, R., (2023) "Machine Visions: Mapping Depictions of Machine Vision through Critical Image Synthesis". *Open Library of Humanities* 9(2). doi: https://doi.org/10.16995/olh.10077.

## OCULARITIES



look



look



looking



looking



seeing



seeing



sight



sight



vision



vision



perceive



perceive



perceiving



perceiving



perception



perception



machine looking



machine looking



machine seeing



machine seeing



machine sight



machine sight



machine perceiving



machine perceiving



machine perception



machine perception

MACHINE VISION



machine vision



machine vision



machine vision



machine vision



machine vision



a machine vision system



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a machine vision system



a machine vision system display



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a machine vision interface



a machine vision interface



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machine vision bias



machine vision bias



machine vision bias



machine vision bias



machine vision data



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machine vision data

## Machiiine Data



## **Machiion Dalta**

machine vision data



machine vision ethics



machine vision ethics



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machine vision ethics



machine vision ethics



machine vision creepy



machine vision misleading



machine vision dangerous



machine vision empowering



machine vision exciting



machine vision neutral



machine vision wondrous



machine vision fun



machine vision oppressive

## **MA{CICHNEVICA**



machine vision hostile



machine vision overwhelming



machine vision subversive

## ELECTRONIC VISION



electronic vision



electronic vision



electronic vision



electronic vision



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COMPUTER VISION



computer vision



computer vision



computer vision



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a diagram of a computer vision system



a diagram of a computer vision system



a diagram of a computer vision system



a diagram of a computer vision system



diagram of computer vision

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diagram of computer vision

![](_page_82_Figure_0.jpeg)

diagram of computer vision

![](_page_82_Picture_2.jpeg)

diagram of computer vision

![](_page_83_Picture_0.jpeg)

computer vision bias

![](_page_83_Picture_2.jpeg)

computer vision bias

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computer vision data

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computer vision ethics

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computer vision ethics

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computer vision ethics

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computer vision creepy

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computer vision misleading

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computer vision dangerous

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computer vision empowering

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computer vision wondrous

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computer vision fun

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computer vision oppressive

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computer vision hostile

![](_page_95_Picture_0.jpeg)

computer vision overwhelming

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computer vision subversive

MACHINE VISIONS

![](_page_97_Figure_0.jpeg)

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