

A _____ MANIFESTO



Title: A _____ Manifesto

Medium: Installation, 3D printed object, 2D printed booklet

Description: My proposed work includes simulation and transcription of an essay, ‘A Cyborg Manifesto’ written by Donna Haraway in 1985. I would like to propose a machine learning implementation project by using text mining techniques to reconstruct the linguistic contexts of words from the raw text data of Haraway’s essay. I will use Generative Pre-trained Transformer (GPT-3) which is a language model that uses deep learning to produce human-like text, a pre-trained software model released by OpenAI in May 2020. With GPT-3, I will generate a new manifesto that would be difficult to distinguish from articles written by Haraway. The generated text will compony a 3D printed object.

Text mining is a technique that uses natural language processing (NLP) to transform the raw text into normalized, structured data that is suitable for analysis. It is a widely used Machine Learning technique for representing words in vector space where word representations can be measured mathematically by word similarity. Inside an abstract vector space, that is derived from real-world language corpora, words become points in n-dimensional space, where algebraic operations operate on the syntactic and semantic creation of language. At the end of this process, I will have a point cloud data in which every dot represents a word. Dots that are closer together in space mean that they are similar in context. Words that are different in context are further away from one another.

My suggestion is to create a formless 3D shape based on the xyz coordinates data of the word vectors generated from essays/books of Haraway. The process is first to reduce the dimensions in 3D space, and generate a formless computer-generated object in a 3D software and texture them in a way that looks like a stone/ rock. Then, the object will be 3D printed. The physical result of the project will be printed booklets where viewers can read the generated text and 3D printed object which is a simulation of Haraway's literary work.

Statement: Haraway's studies bring art into the entanglement of biology, technology, cybernetics, activism, environmentalism and cultural theory with a strong critique of fascistic, racist, misogynistic and male dominated Western institutions and ideologies. Haraway's writings perfectly encapsulates our current postmodern state of contradictions, interconnectivity and challenges the boundaries between human and animal, machine and organism, literary and scientific, poetic and functional.

A rock seems to be a primitive object but post humanists proclaims that one day it could store all of the knowledge ever produced and more. Many futurists speculate about futures where demand for computing power grows to the point where very large amounts of programmable matter is desired. Best physically possible computing material is referred as Computronium. It is the stuff of science fiction now but we can speculate the very idea of turning dead stones into infinite processing power.