Michelle Samson
7037600
CART 360
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Reading 2 - Embeddables

The path to embeddables can be found in wearables and nanotechnology becoming so advanced that we do not notice their presence in society. Or as some would imagine them, so small and practical that they appear to be invisible and quietly working alongside our everyday interactions without us intervening in their processing of data. It is a path of the future where there is a symbiosis of the human body and the machine. This embeddable technology, which can be seen as the next step in technology, is not in the near future, well not in the way the reading expresses its potential. This is due to its current invasive and buggy state which doesn't express a following in social current events. In the media and entertainment industries, embeddable technology is more often than not portrayed as controlling, dark, and with an initial positive intention that becomes dark within its control by government figures, for example nearly every episode in Netflix show Black Mirror, nearly a satire of our society with these futuristic and often dystopic views on advancing technologies. So for now, the so-called invasive technology will remain on television instead of the global markets, because that is how society views it, negatively, and against the advancement of it. Thankfully scientists, engineers, and designers remain on the path to advance embeddable technology to a promising future. Its origins have been amongst human culture since before history was written, through forms of artistic decoration and body modification. Humans have progressed to altering their bodies for aesthetic and seductive reasons for centuries all across the globe. Nowadays we modify or create for various reasons, some tattoo or scar for ritualistic or social body decoration, while some receive transplants or prosthetic to bring back independence and mobility back into their lives. Embedding external objects into bodies is nothing new, the only change now is how it enhances us on a humanistic ability scale of improving and bettering our lives and bodies and minds alike. The process of the

embeddable technology is currently and slowly underway; by innovating and progressing with wearable technology, we slowly move towards discreet and practical functions, then we go to the embedding, where the nanotechnology becomes intensely discreet and once inside of our bodies, these technologies can monitor and assist us, to the point where they can begin to modify and enhance our bodies and minds. These technologies will also possibly erase the need for devices with screen UI, and thus result in incorporating all the human senses into the function of these embeddables, where our humanistic emotions, expressions, and gestures, and language, will account for the processing of information alongside using algorithms to bring in a predictive and cooperating device without us intervening on it.

Any activity can be modified or amplified with data processing and this means embeddables can become invisible to our day to day lives while doing all the work quietly in the background connecting to external systems. For these technologies to work within society, they must retain the principles of unobtrusiveness and practicality. Using these technologies is extending the human and its capabilities to process information in any way it sees fit. The future in embeddables will always keep the body and mind of humans as the canvas, where there is room for improvement and enhancing. They may not extend the human life, but there could be processes to extend the mind/body's durability against diseases, where nanotechnology devices could possibly monitor and cure certain problems arising inside a person. There are many ways embeddables can better society, we just haven't reached that level of distribution and functionality as of today, and it may be a while before it does.