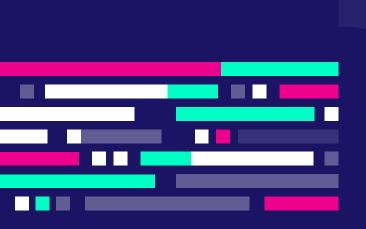


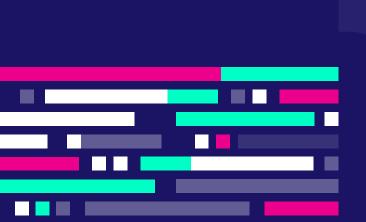
Weekly Ethicacy Neuralink

By Daniel Moscoe and Jack Padalino



What is Neuralink?

- •A neural implant that can detect and generate electrical signals in the brain.
- •An advancement of previous neural implant technology.
- •An accompanying minimally invasive implantation procedure, carried out by robot.
- •Reading/writing/information/bandwidt h vs. recording/stimulating.



What is Neuralink?

- •Pretty good at "reading" from certain regions of the brain. (Predecessors used fewer electrodes, caused greater damage to surrounding tissue)
- •Not so good at "writing," as distinguished from "stimulating." (Predecessors are deep-brain stimulation, such as used in Parkinsons patients)

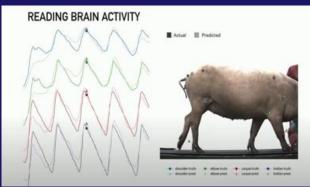


How's it work?

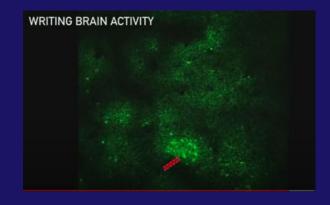




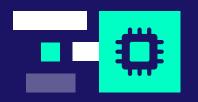
Read



Write



Potential uses - short term



Paralysis - Patients control electronic prosthetics Paralysis - Patients control parts of their own body



Potential uses - long term



Curing blindness







Enhanced memory and cognition

"Healthy individuals would want to have them."





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B. Interesting! Bt we need to be very cautious about this.

C. We should not be meddling with this.

How to Edit

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Time to Climb



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Prompt 1 - Access

Let's assume Neuralink were a fully developed technology. What do you think access to this kind of technology would look like when it is first introduced. How do you think our society would be affected by that access?

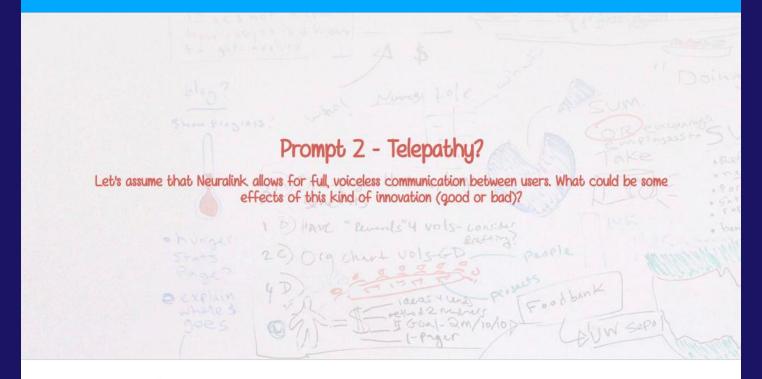
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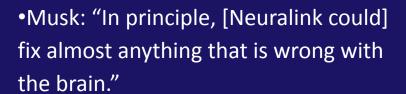


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Commentary - Favorable!



•"We're already a cyborg, to some degree... It's just that the data rate to the electronics is slow... Increasing the data rate can improve the symbiosis that is already occurring between man and machine."

Commentary - Unfavorable!



- •"Brainjacking"
- User data / privacy concerns
- •Moral / legal responsibility for human + tech-executed actions (what if Link misunderstands your intention?)
- High cost of opting out

Resources

- •https://youtu.be/Gqdo57uky4o ("Elon Musk Reveals New Details About Neuralink, His Brain Implant Technology")
- •https://youtu.be/CLUWDLKAF1M ("Neuralink: Elon Musk's entire brain chip presentation in 14 minutes (supercut)"
- •https://www.theverge.com/2020/9/29/21493224/ elon-musk-neuralink-neuroscience-brain-machin e
- •https://www.scientificamerican.com/article/e lon-musks-secretive-brain-tech-company-debuts -a-sophisticated-neural-implant1/
- •https://www.theguardian.com/science/2019/sep/22/brain-computer-interface-implants-neuralink-braingate-elon-musk