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The Future of the World

When the future is uncertain, dismay is unavoidable. A lot of people right now are worried about their jobs being replaced by AI. The truth is that AI is nascent and people don't understand it yet. It is the next wave of technology that is going to revolutionize the world the same way computers did. AI will significantly advance the medical industry and economy, and it can be mitigated to prevent the abuse and exploitation of this powerful software.

The most important impact of AI will be how it advances the medical industry. Robots with AI have been shown to have 100% accuracy when scanning MRI images. (S. Yeasmin, 1-6) In a study relating to rectal imaging AI, the doctor was able to detect a problem with half as much error, from 32% to 16%. (S. Yeasmin, 1-6) AI in aggregate makes 72% more correct diagnoses than human doctors. (S. Yeasmin, 1-6) The efficiency of AI could reduce a 4-hour medical visit down to an hour. (S. Yeasmin, 1-6) AI could significantly reduce the 400,000 lives lost a year due to medical errors. (S. Yeasmin, 1-6) AI can help in more than just protecting life, it can also increase livelihood. There are AIs that can automatically prescribe medicine when scanned from a phone for patients with Alzheimer's. (S. Yeasmin, 1-6) There are even furry little robots that can respond to touch and be held in a patient's which will reduce patient anxiety. (S. Yeasmin, 1-6) These advances are unprecedented and imminent. Doctors and nurses are not going to be replaced, they are going to be elevated. We will be able to worry less about our mortality and that of our loved ones. People are going to feel more comfortable when they have

medical visits and doctors will feel more comfortable with their diagnoses and prognoses with the help of AI.

The integration of AI in the financial world will generate the best economy the world has ever seen. AI will make employees so much more efficient than they previously were that the costs of goods and services will dramatically decrease. In the same way that when computers began being used by employees of businesses, AI would allow for everything to happen much faster. Sending an email that might take 10 minutes to write can be done in 10 seconds, Reviewing a contract that normally takes hours will be done in seconds. Engineers and doctors can have problems solved that might take them days to figure out in an instant. Everything will be much faster and this will create much more money in the economy. AI would save the federal government between \$3.3 to \$41.1 billion dollars. (Polachowska) State governments would save between \$119 to \$931 million dollars. By 2030 the US GDP would rise by 14% amounting to \$15.7 trillion dollars due to the integration of AI. (Polachowska) This will create extraordinary amounts of wealth in the economy while having no impact on the labor force as the Harvard Business Review studied 47% of the current AI project and found that, “replacing administrative employees was neither the primary objective nor a common outcome.” (Davenport et al.) AI is going to augment the economy to such a degree that we will have an even greater standard of living than when computers first came to the market.

People are worried about this powerful tool being used for the wrong reasons. However, there are many solutions to prepare for that. Some of these solutions are to invest more funding into government research on AI, create a federal AI advisory committee, create rules and regulations for the industry, and have penalties in place for hackers or people using AI for nefarious purposes. (Karsten et al.) The federal AI advisory committee should give policy

recommendations and interact with state and local officials to ensure the maximum possible level of safety. (Karsten et al.) There also should be regulations more focussed on the uses and intentions of AI instead of the algorithm itself. (Karsten et al.) Furthermore, AI can increase safety on the internet. AI can detect malware and hackers much quicker than humans can. (Thiagarajan et al. 6-12) These programs would assist those who work in cybersecurity in bringing justice as soon as possible to people abusing the internet while simultaneously preventing the intended harm of those people from actualizing. There can be AI bots that are built into websites to monitor potential hackers. (Thiagarajan et al. 6-12) Social media accounts can be protected from data leaks. (Thiagarajan et al. 6-12) National security will increase as we will be much better protected from digital threats. The digital safety of everyday Americans will be much greater while the risk for harm will be mitigated.

The integration of AI into quotidian life is an exciting future where we live longer, safer, and better. The risk for harm is completely manageable by humans and AIs themselves. We think of ourselves as much more advanced than previous generations hitherto because of the introduction of computers. AI will make what we have been technologically accustomed to look like the way we view black and white TVs.

Works Cited

Davenport, Thomas H, and Rajeev Ronanki. "3 Things AI Can Already Do for Your Company."
Harvard Business Review, 7 Nov. 2022,
hbr.org/2018/01/artificial-intelligence-for-the-real-world.

Jack Karsten, Darrell M. West, et al. "How Artificial Intelligence Is Transforming the World."
Brookings, 27 June 2023,
www.brookings.edu/articles/how-artificial-intelligence-is-transforming-the-world/.

K. Thiagarajan, C. K. Dixit, M. Panneerselvam, C. A. Madhuvappan, S. Gadde and J. N. Shrote,
"Analysis on the Growth of Artificial Intelligence for Application Security in Internet of
Things," *2022 Second International Conference on Artificial Intelligence and Smart
Energy (ICAIS)*, Coimbatore, India, 2022, pp. 6-12, doi:
10.1109/ICAIS53314.2022.974298

Polachowska, Kaja. "Benefits of ARTIFICIAL Intelligence in Business." *Neoteric*, 10 Apr. 2023,
neoteric.eu/blog/ai-in-business-what-are-the-benefits-of-artificial-intelligence/.

S. Yeasmin, "Benefits of Artificial Intelligence in Medicine," *2019 2nd International Conference
on Computer Applications & Information Security (ICCAIS)*, Riyadh, Saudi Arabia,
2019, pp. 1-6, doi: 10.1109/CAIS.2019.8769557.