

# ARTIFICIAL INTELLIGENCE'S BENEFICIAL ROLE IN THE WORKPLACE

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## INTRODUCTION

Artificial intelligence (AI) is a revolutionary field of technology that can mimic human intelligence to complete assignments.

- Artificial intelligence has replaced humans in lower-skill level jobs yet has created new openings.
- AI has increased productivity and job efficiency when implemented alongside humans.
- It has replaced humans in more dangerous job fields.
- Implementation of computer vision has improved safety within the workplace.



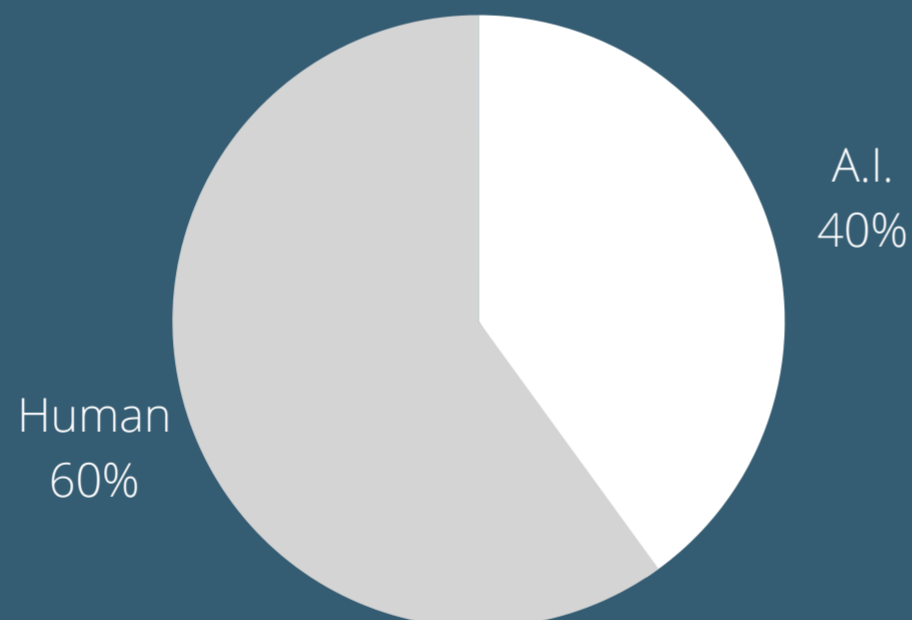
Picture by Tima Miroshnichenko

## Replacing Humans?

Artificial intelligence has taken over lower-skill level jobs such as human resources. Jobs in the transportation and telemarketing industries have been similarly affected.

AI has opened up new jobs in the AI maintenance field. Non-college-educated persons can be trained to within the industry.

Human vs. AI in Human Resources



## Increased Productivity

Without AI   With AI



According to a study taken by Accenture and Frontier Economics, productivity increases by 40% in developed countries where AI is implemented.



Picture by Lenny Kuhne

## Workplace Safety

More dangerous jobs are being phased out in favor of artificial intelligence-operated machines. Jobs such as in assembly lines of car manufacturing, within foundries, or with dangerous chemicals are among some of the most deadly jobs in the world. By eliminating the human aspect within these jobs, not only does the production efficiency increase, but the chance of injury or death drops to zero.

## Computer Vision

Computer vision is a scanning field of AI that can enforce a variety of OSHA safety regulations in the workplace:

- Can track the time workers have been active for
- If workers are wearing appropriate safety equipment
- If they are entering into a hazardous area
- Can learn how to detect high-risk movements and action

This technology has the ability to prevent injuries and avoid potential lawsuits that may arise for the company.

AI Within the Workplace Ted Talk | Andy Chang |



## Acknowledgments

- [www.bbvaopenmind.com/en/articles/artificial-intelligence-in-workplace-what-is-at-stake-for-workers/](http://www.bbvaopenmind.com/en/articles/artificial-intelligence-in-workplace-what-is-at-stake-for-workers/)
- <https://pixabay.com/illustrations/web-network-programming-3706561/>
- <https://www.pexels.com/photo/3-men-and-2-women-standing-in-front-of-white-wooden-desk-5453808/>
- <https://www.weforum.org/agenda/2020/12/ai-productivity-automation-artificial-intelligence-countries/#:~:text=Labor%20productivity%20in%20developed%20countries,from%20Accenture%20and%20Frontier%20Economics.>
- <https://unsplash.com/photos/jHZ70nRk7Ns>
- <https://youtu.be/bScAMuegX7Y>