ARTIFICIAL INTELLIGENCE AND THE CHANGING JOB MARKET

by George Anthony Kulz

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shorter routes. This may allow them to spend less time away from home. But it will also reduce truckers' pay. They are paid by the hour.

Drones will also be a major AI player in the future. A drone is an aircraft that does not have a pilot. Most are controlled remotely. However, autonomous drones are becoming more common. These drones can navigate without human help. They can also see their surroundings. This makes

Digital Doubles

AIs can be used to copy what other people can do. These types of AI are called digital doubles. Digital doubles can help a worker by completing some of their tasks. This helps the worker be more productive.

CONCERNS ABOUT AI IN THE WORKPLACE

There are a lot of exciting developments in AI. AI can save companies time and make them more productive. This saves money. But there is also a lot of fear about AI. If AI can do jobs better and faster than human workers, people worry they may no longer be needed. If they are still needed, their roles and pay may be reduced.

People are also concerned about the safety of AI. AI has sometimes made

Robots can improve the safety of human workers by taking on more dangerous jobs, such as welding.

mistakes that have caused harm. And there are **ethical** issues to consider when using AI. For example, AI can be used to copy the work of someone else.

LOSING JOBS TO AI

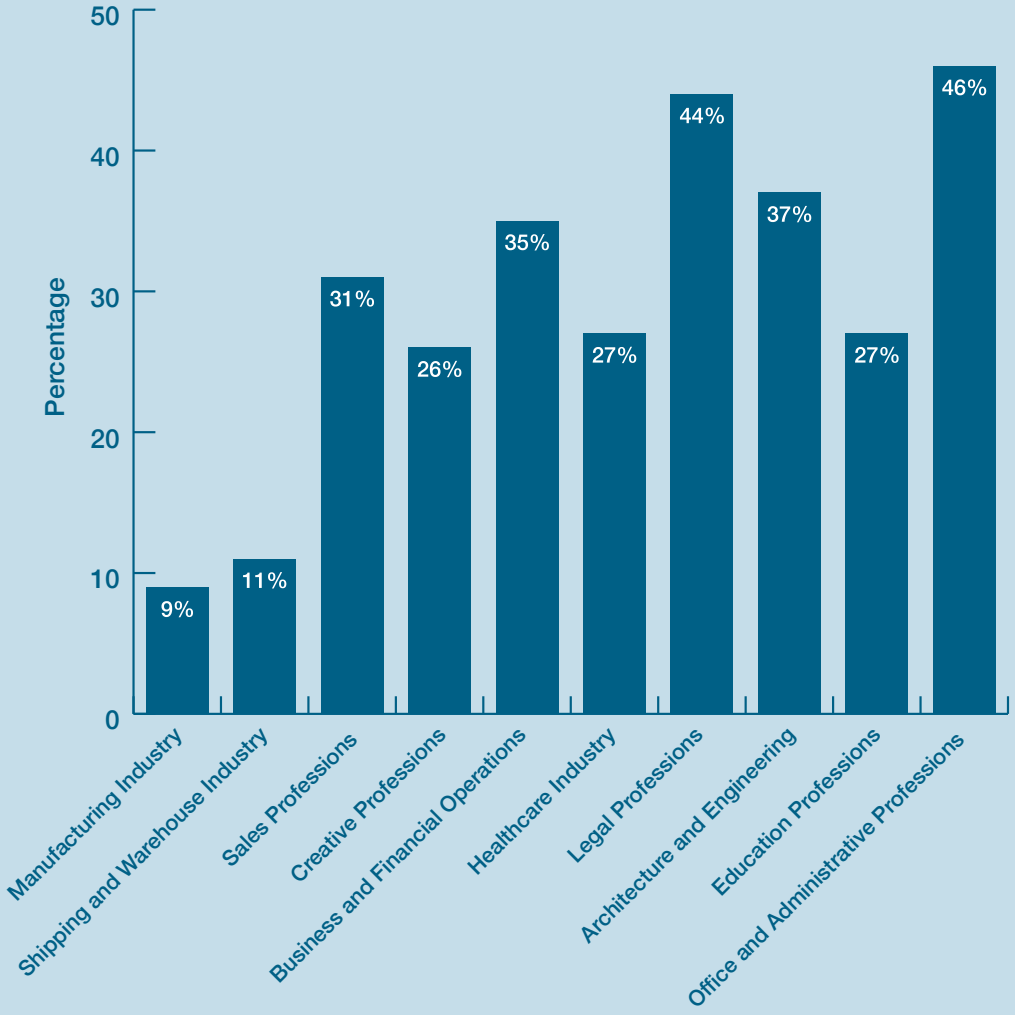
As AI is used in more industries, people worry about how it will affect jobs. Already AI is being used to do repetitive tasks. These include customer service jobs, delivery of goods, and factory work. In a survey conducted by the Pew Research Center in 2022, 62 percent of Americans believed that AI would have a major impact on workers. About 28 percent said they thought AI would impact their jobs.

Many people are worried about AI in the workplace. In 2023, the Writers Guild of

In May 2023, screenwriters protested the use of AI for writing scripts.

America went on strike against the Alliance of Motion Picture and Television Producers. AI was one of the reasons for the strike. Writers were concerned about movie and

POTENTIAL FOR AI USE IN THE UNITED STATES BY JOB SECTOR



Source: Marcus Lu and Sabrina Lam, "Ranking Industries by Their Potential for AI Automation," Visual Capitalist*, June 27, 2023. www.visualcapitalist.com.*

With the exception of construction and other manual labor industries, most industries will be affected by AI in the coming years.

GLOSSARY

algorithms

sets of rules used to solve problems

assembly line

a line of workers in a factory where each worker does one part of a redundant job

chatbot

AI that creates responses based on user prompts

efficient

completing more tasks with less effort

ethical

being truthful, fair, and honest

machine learning

AI that allows systems to learn and improve from experience

natural language processing

the capability of an AI to understand human language

nodes

electronic devices attached to a network

press

a machine that shapes metal

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