Dov Bechhofer Discusses the Expanding Possibilities of AI Integration and its Current Limitations

NEW YORK , NEW YORK, USA, January 3, 2019 /EINPresswire.com/ -- Artificial intelligence (AI) has been a hot topic in science fiction and expanding technology for decades, with huge advancements only coming into play within the last ten years. Computer Engineer Dov Bechhofer discusses AI's potential and how companies plan to integrate for improved service in the near future.

Dov Bechhofer

Artificial intelligence is sensationalized in Hollywood with films like A.I, Bicentennial Man, Ex Machina, Age of Ultron, and the ever fear-inducing Terminator franchise. While fully-automated robots resembling people may be in store for the future, Dov Bechhofer notes that less-complex but highly-resourceful AI technology already helps businesses streamline services and improve offerings for customers.

"Artificial intelligence is already active in our smart devices and in the indexing of web pages," says Dov Bechhofer. "Google algorithms have automated intelligences programmed into their code. Our phones make decisions and communicate with other devices without any human intervention."

One of the leading examples of AI in the media today is Elon Musk's Tesla Motors, which is pioneering AI capacity in consumer vehicles. With new, purchasable updates in Tesla's software, consumers can allow their cars to take full control of driving responsibilities. The system responds to outside threats and adjusts to traffic using information fed from external cameras and sensors, and the vehicles use map systems (much like those on smartphones) to determine speed limits, traffic jams, and alternate routes. But Tesla still has a long way to go.

AI technology is still in its early stages, and more comprehensive commands and systems require the intense work of a small subset of developers. While capable engineers diligently work out the kinks in AI programming, one of the ongoing hurdles in the way of progress is AI's poor handling of ambiguity and its poor comprehension of data context. People are still needed to sort, clean, and prepare data for algorithms.

"The idea behind AI in manufacturing and production is automation," says Dov Bechhofer. "When people perform 90% of the data preparation, it doesn't leave much room for AI to do much automation. We need more comprehensive systems and intuitive algorithms that can be trusted to take on greater responsibilities."

Developers use AI to create more efficient processes which result in faster, more accurate

business services. For example, instead of speaking with human representatives to solve problems, people will be able to communicate with algorithms to do things like manage services, make purchases through responsive POS systems, order food or goods, and use AI to perform specialized accounting tasks, among other things. In the future, AI will likely be used to transport mail and packages, shuttle citizens in mass transit, and heighten security measures across online programs.

“AI will hopefully limit human error in the future,” says Dov Bechhofer, “which will be a huge benefit to fields like medicine and education. But honestly there’s potential for AI to improve almost every aspect of our lives today.”

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