

Artificial Intelligence / Machine Learning

Why even a moth’s brain is smarter than an AI

A neural network that simulates the way moths recognize odors also shows how they learn so much faster than machines.

by Emerging Technology from the arXivFeb 19, 2018

One of the curious features of the deep neural networks behind machine learning is that they are surprisingly different from the neural networks in biological systems. While there are similarities, some critical machine-learning mechanisms have no analogue in the natural world, where learning seems to occur in a different way.

These differences probably account for why machine-learning systems lag so

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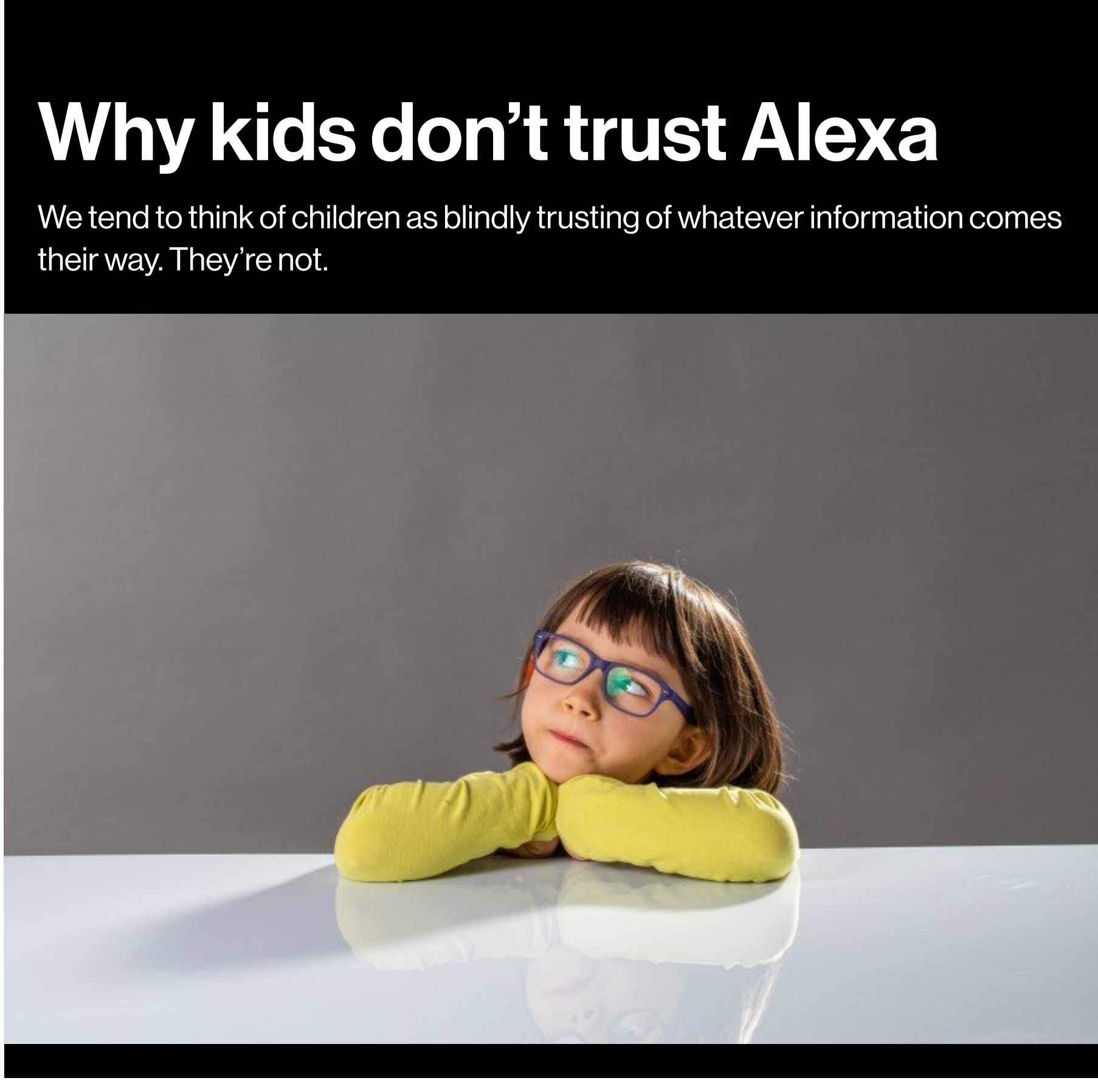
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hope that understanding more about natural forms of learning will help them close the gap.

Enter Charles Delahunt and colleagues at the University of Washington in Seattle, who have created an artificial neural network that mimics the

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