Thomas Jefferson  
   
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Thomas Jefferson (April 13 [O.S. April 2], 1743 – July 4, 1826) was an American Founding Father and  
the third president of the United States from 1801 to 1809. He was the primary author of the  
Declaration of Independence. Jefferson was the nation's first U.S. secretary of state under George  
Washington and then the nation's second vice president under John Adams. Jefferson was a leading  
proponent of democracy, republicanism, and natural rights, and he produced

## Wikipedia Excerpt: Deep learning

In machine learning, deep learning focuses on utilizing multilayered neural networks to perform tasks such as classification, regression, and representation learning. The field takes inspiration from biological neuroscience and is centered around stacking artificial neurons into layers and "training" them to process data. The adjective "deep" refers to the use of multiple layers (ranging from three to several hundred or thousands) in the network. Methods used can be supervised, semi-supervised or unsupervised.  
Some common deep learning network architectures include fully connected networks, deep belief networks, recurrent neural networks, convolutional neural networks, generative adversarial networks, transformers, and neural radiance fields. These architectures have been applied to fields including computer vision, speech recognition, natural language processing, machine translation, bioinformatics, drug design, medical image analysis, climate science, material inspection and board ga