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Geoffrey Hinton was born on December 6, 1947 [1]. He is an English Canadian cognitive psychologist and computer scientist, with research mainly on artificial neural networks [1]. Hinton graduated from King's College, Cambridge in 1970, with a Bachelor of Arts in experimental psychology [1]. He continued to pursue his PhD under the supervision of Christopher Longuet-Higgins and was recognized as a doctor in Artificial Intelligence in 1977 [1]. He spent five years on postdoctoral work in the University of Sussex and the University of California, San Diego after becoming a faculty member in the Computer Science department at Carnegie-Mellon University [2]. He was the founding director of the Gatsby Charitable Foundation Computational Neuroscience Unit at University College London and is currently an emeritus distinguished professor at the University of Toronto (Canada) [1][2].

Geoffrey Hinton designs machine learning algorithms [2]. His aim is to discover a learning procedure that is efficient at finding complex structure in large, high-dimensional datasets and to show that this is how the brain learns to see [2]. He was one of the pioneer researchers who introduced back-propagation and the first to apply back-propagation for learning word embeddings [2]. His other contributions to neural network research include Boltzmann machines, distributed representations, time-delay neural nets, mixtures of experts, variational learning, products of experts and deep belief nets [2]. His research group in Toronto made major breakthroughs in deep learning research and have revolutionized speech recognition and object classification [2].

Hinton is a Fellow of the British Royal Society, the Royal Society of Canada and the Association for the Advancement of Artificial Intelligence [3]. He is also an Honorary Member of the American Academy of Arts and Sciences and the U.S. National Academy of Engineering [3]. His numerous distinctions include the 2016 NEC C&C Prize, the David E. Rumelhart Prize for outstanding contributions to the theoretical foundations of human cognition (2001) and the IJCAI Research Excellence Award (2005) of the International Joint Conferences on Artificial Intelligence Organization, one of the world's most prestigious in the artificial intelligence field [3]. He also holds the Gerhard Herzberg Canada Gold Medal of the Natural Sciences and Engineering Research Council (2010) – considered Canada's top award for science and engineering – and the James Clerk Maxwell Medal bestowed by the Institute of Electrical and Electronics Engineers (IEEE) and the Royal Society of Edinburgh (2016) [3].

[1] https://en.wikipedia.org/wiki/Geoffrey_Hinton
[2] https://ai.google/research/people/GeoffreyHinton
[3] https://www.frontiersofknowledgeawards-fbbva.es/galardonado/geoffrey-hinton-2/