Al Development Timeline

Edward Feigenbaum and Joshua Lederberg created the first "expert system" to replicate the decision-making abilities of human experts.

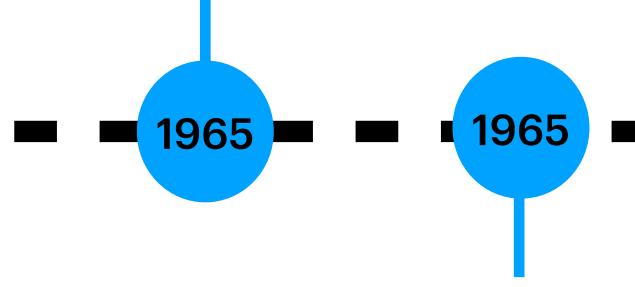
The first AI winter begins as funding and interest decline due to unmet expectations.

The resurgence of Al interest due to expert systems like MYCIN (medical diagnosis) and DENDRAL (chemical analysis).

1980

IBM's Deep Blue defeats world chess champion Garry Kasparov.

1997



1972

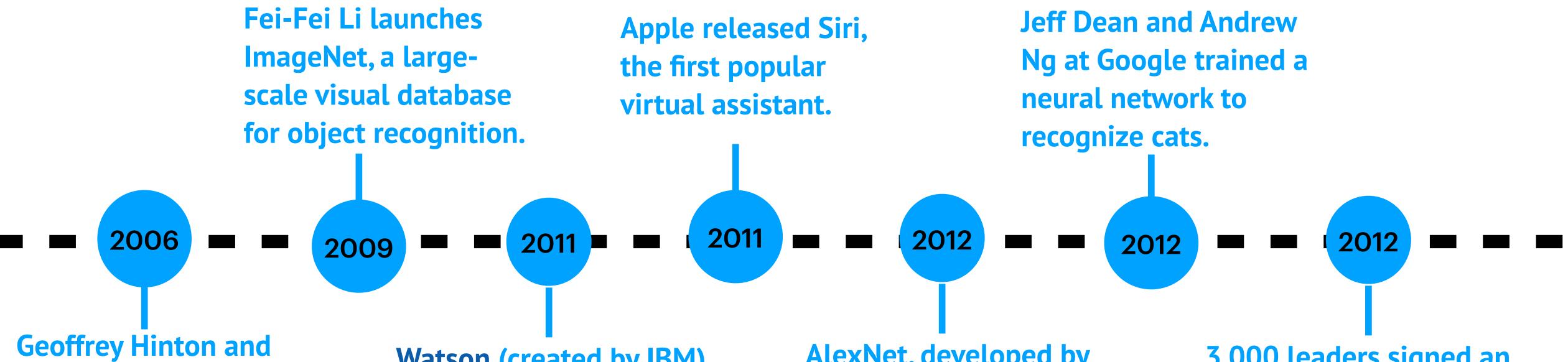
Marvin Minsky and
Seymour Papert publish
Perceptrons, highlighting
limitations in neural
networks.

David Rumelhart,
Geoffrey Hinton, and
Ronald Williams publish
the backpropagation
algorithm, revitalizing
neural networks.

1986

Joseph Weizenbaum created the first "chatterbot" (later shortened to chatbot), ELIZA, a mock psychotherapist, that used natural language processing (NLP) to converse with humans.

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Geoffrey Hinton and colleagues publish a paper on deep belief networks, sparking renewed interest in neural networks.

Watson (created by IBM) won Jeopardy against two former champions in a televised game.

AlexNet, developed by
Alex Krizhevsky, Ilya
Sutskever, and Geoffrey
Hinton, wins the
ImageNet competition.

3,000 leaders signed an open letter to the worlds' government systems banning the use of autonomous weapons in war.