

# Tom Mitchell

**Founders University Professor at Carnegie Mellon University**

Pittsburgh, PA, US

Tom Mitchell is a longtime researcher in AI, including new systems that can improve healthcare, education, climate and more.

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## Biography

Tom Mitchell is interested in many areas of computer science, but especially in how to construct computers that learn from experience. At the heart of the problem of machine learning is the question of how to automatically formulate general hypotheses given a collection of very specific training examples. His research has addressed a number of approaches to this question, including statistical approaches that find regularities over large numbers of training examples, and analytical approaches that generalize from very few examples and rely instead on prior knowledge and reasoning.

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## Areas of Expertise

Machine Learning, Artificial Intelligence, Computational Neuroscience

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## Affiliations

Generative AI Task Force : Chair

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## Education

**Stanford University**

Ph.D. Electrical Engineering

**Massachusetts Institute of Technology**

S.B. Electrical Engineering

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## Accomplishments

**Best Dataset Paper Award at the Learning at Scale Conference**

2024

**Best Paper Award at the User Interface Software and Technology (UIST) Conference**

2020

**President's Medal, Stevens Institute of Technology**

2018

**Alan Perlis Award for Imagination in Computer Science, Carnegie Mellon University  
2018**

**10-Year Outstanding Research Contributions Award, Brain Informatics Conference  
2017**

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