Tom Mitchell - Founders University Professor CMU, Machine Learning/Computer Science

Tom Mitchell's research lies in machine learning, artificial intelligence, and cognitive neuroscience. His current research includes developing machine learning approaches to natural language understanding by computers, as well as brain imaging studies of natural language understanding by humans. A pioneer in artificial intelligence and machine learning, Mitchell's research focuses on statistical learning algorithms for discovering how the human brain represents information and for enabling computers to understand the meaning of what humans say and write. His work with colleagues in the Psychology Department produced the first computational model to predict brain activation patterns associated with virtually any concrete noun, work that has since been extended to other word types, word sequences and emotions. His Never Ending Language Learner is a computer program that searches through web pages 24/7 as it teaches itself to read. Full Bio

Tom Mitchell is an American computer scientist and the Founders University Professor at Carnegie Mellon University (CMU). He is a founder and former Chair of the Machine Learning Department at CMU. Mitchell is known for his contributions to the advancement of machine learning, artificial intelligence, and cognitive neuroscience and is the author of the textbook *Machine Learning*. He is a member of the United States National Academy of Engineering since 2010. He is also a Fellow of the American Academy of Arts and Sciences, the American Association for the Advancement of Science and a Fellow and past President of the Association for the Advancement of Artificial Intelligence. In October 2018, Mitchell was appointed as the Interim Dean of the School of Computer Science at Carnegie Mellon.

Mitchell received his bachelor of Science degree in Electrical Engineering from the Massachusetts Institute of Technology in 1973 and a Ph.D. from Stanford University under the direction of Bruce G. Buchanan in 1979. Mitchell began his teaching career at Rutgers University in 1978. During his tenure at Rutgers, he held the positions of Assistant and Associate Professor in the Department of Computer Science. In 1986 he left Rutgers and joined Carnegie Mellon University, Pittsburgh as a Professor. In 1999 he became the E. Fredkin Professor in the School of Computer Science. In 2006 Mitchell was appointed as the first Chair of the Machine Learning Department within the School of Computer Science. He became University Professor in 2009,[7] and served as Interim Dean of the Carnegie Mellon School of Computer Science during 2018-2019. Mitchell currently serves on the Scientific Advisory Board of the Allen Institute for AI and on the Science Board of the Santa Fe Institute. He was elected into the United States National Academy of Engineering in 2010 "for pioneering contributions and leadership in the methods and applications of machine learning." He is also a Fellow of the American Association for the Advancement of Science (AAAS) since 2008 and a Fellow the Association for the Advancement of Artificial Intelligence (AAAI) since 1990. In 2016 he became a Fellow of the American Academy of Arts and Sciences. Mitchell was awarded an Honorary Doctor of Laws degree from Dalhousie University in 2015 for his contributions to machine learning and to cognitive neuroscience, and the President's Medal from Stevens Institute of Technology in 2018. He is a recipient of the NSF Presidential Young Investigator Award in 1984.