Deep Learning and Conversational Agents

Tuesday, January 8, 2019
3:30 pm – 4:30 pm – Purvis Hall, 1020 Pine Ave. West, Room 24

All are Welcome

Abstract:
This talk is divided in two separate parts. In the first I will introduce, in a tutorial style, the field of deep learning modelling with a particular emphasis on establishing connections to (well-known) concepts from the science of statistics. In the second part, I will discuss a particular recent application of deep learning for modelling conversational data using a hierarchy of recurrent neural network models.

Bio:
Laurent Charlin is an assistant professor at HEC Montréal and a member of Mila. He earned a master's degree and a PhD respectively from the universities of Waterloo and Toronto and was a postdoc at Columbia, Princeton, and McGill universities. He develops machine learning models, including deep learning models, to analyze large collections of data and to help in decision-making. His main contributions are in the field of recommender systems. The Toronto paper matching system (TPMS), a system to recommend and match papers to reviewers that he co-developed, was adopted by dozens of major conferences over the last eight years (it has recommended papers for over six thousand reviewers). He has published 20 papers in international conferences and won a second-best paper award at the 2008 Uncertainty in Artificial Intelligence (UAI) conference. Please visit: http://www.cs.toronto.edu/~lcharlin/

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