# CANADA — A LEADER IN ARTIFICIAL INTELLIGENCE (AI)



## TOP TALENT + EXPERTISE

» **Yoshua Bengio**
(Université de Montréal)
One of the founding fathers of
the deep learning movement

» **Geoffrey Hinton**
(University of Toronto)
"Godfather of AI"

» **Richard S. Sutton**
(University of Alberta)
Most cited researcher worldwide
in reinforcement learning

## THE CANADIAN AI ADVANTAGE

Over $1.3 billion announced funding for
AI Research & Development in 2016-2017.

Montréal has the highest concentration of
researchers and students of deep learning
in the world.

Toronto has the highest concentration of
AI start-ups in the world.

## TOP COMPANIES INVESTING IN AI

» Microsoft

» Google

» Uber

» General Motors

» Ford

» Thompson Reuters

» Amazon

» IBM

» Intel

# LEADING AI CLUSTERS
# IN CANADA

## EDMONTON
Home to the Alberta Machine Intelligence Institute (AMII).

University of Alberta researchers rank #2 in Artificial Intelligence/Machine Learning combined (according to the worldwide university rankings at csrankings.org).

## MONTRÉAL
Highest concentration of researchers and students of deep learning in the world, with almost 9000 students in AI and related programs.

Home to the Institute for Data Valorization (IVADO) and the Montréal Institute for Learning Algorithms (MILA), one of the world's largest public deep learning labs.

Element AI — a world leading applied AI research company located in Montréal recently raised $135 million from high-profile tech investors, the biggest A series funding for an AI focused company ever.

## TORONTO REGION
Highest concentration of AI start-ups in the world.

Home to the Vector Institute, NextAI, and the Creative Destruction Lab.

Google, Thomson Reuters, TD Bank Group, Shopify and 26 more companies have committed a combined total of over $80 million over ten years to support Toronto's Vector Institute.

## RECENT INVESTMENTS

**Uber** founded the Advanced Technology Group in Toronto to further its research in self-driving technology. Led by Raquel Urtasun, co-founder of the Vector Institute and University of Toronto Professor, ATG-Toronto will rapidly scale to include dozens of researchers focused on achieving the next generation of urban mobility. Uber also contributed $5 million to the Vector Institute.

**Google** invested a total of $4.5 million in 2016 in Montréal Institute for Learning Algorithms (MILA) and in a research center on deep learning led by AI expert and researcher Dr. Hugo Larochelle.

Google also committed $5 million to Toronto's Vector Institute.

**Microsoft** acquired Maluuba, a Montreal and Waterloo-based start-up specializing in machine language understanding, and confirms its intention to double the size of the company's Montreal office by 2019.

Microsoft also invested an undisclosed amount in Montreal's Element AI.

In late 2016, Amazon expanded its Alexa development team in Canada with a new office in Ottawa to help develop new features and abilities for the next generation of the Alexa platform, an interactive voice service that connects to all devices.