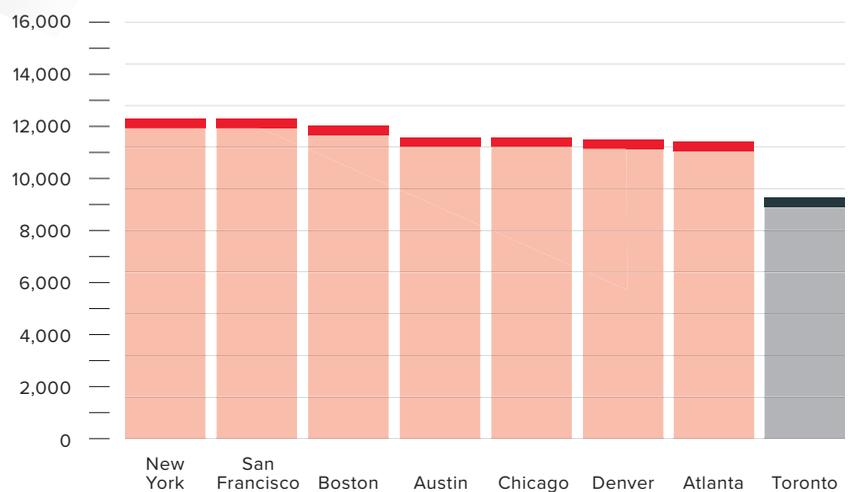**TORONTO GLOBAL**

ARTIFICIAL INTELLIGENCE

In the past year, the Toronto Region added more tech jobs to our ecosystem than New York City and the San Francisco Bay Area combined.

In terms of tech job numbers, the Toronto Region has surpassed Boston, Chicago and Seattle.

R&D Costs

KPMG Competitive Alternatives 2016

USD $'000

New York	San Francisco	Boston	Austin	Chicago	Denver	Atlanta	Toronto

RECENT AI INVESTMENTS

→ **Uber (2017):** New research hub in Toronto to focus on developing AI for driverless vehicles, representing Uber's first R&D operation outside of the United States.

→ **Thomson Reuters (2016):** Opened a new "Toronto Technology Centre" to house their cognitive computing activities. The decision was driven by the region's technology strengths in data visualization and artificial intelligence.

→ **OpenText (2017):** New flexible AI platform that combines open source machine learning with advanced analysis to acquire, merge, manage, and analyze big data.

→ **General Motors (2016):** Committed to growing its engineering workforce in the Toronto Region to 1,000 to focus on autonomous vehicle software.

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THE ONTARIO GOVERNMENT HAS COMMITTED TO SUSTAINING ITS LEADERSHIP IN AI BY INCREASING THE NUMBER OF MASTER'S GRADUATES TO 1,000 WITHIN FIVE YEARS.

University of Toronto

Ranks tenth in list of 50 best computer science schools in the world by 2017 QS World University Rankings

Ranks among the world's largest institutions in terms of faculty and student bodies focusing on AI research

Ranks among top five public universities for global employability by Times Higher Education

TALENT

44% Number of scientists working in the Toronto Region has grown by more than 44% since 2006, nearly 3x the rate of overall employment growth

25% The Ontario government has committed to increasing the number of post-secondary STEM graduates by 25% over the next five years from 40,000 to 50,000 – making the province the **top producer of STEM graduates in North America**

11+ The Toronto Region's 11 universities and colleges, and many specialized training institutions offer significant opportunities for industry-academic partnerships

VECTOR RESEARCH INSTITUTE

VECTOR INSTITUTE

The new Vector Institute is an independent, non-profit research institution dedicated to the transformative field of artificial intelligence, excelling in deep learning and machine learning. Notable corporate partners are Google, Shopify, Loblaws, Accenture, Thomson Reuters, Magna International, NVIDIA, Uber, Air Canada, and all five major Canadian banks.

Under the guidance of Chief Scientific Advisor, Geoffrey Hinton, the "Godfather of AI" – "the Vector Institute will build on Canada's outstanding pool of globally recognized AI expertise by training, attracting and retaining more top researchers who want to lead the world in machine learning and deep learning research, while having the flexibility to work on commercial applications with companies or in their own startups."

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