Leveraging AI technologies: the Montreal recipe

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AI diffusion in the industry: massive opportunity for Canada

600 start-ups, and counting

1,000 scientists just in Montreal

5% of global experts in AI in Canada

> $650M support from governments in last 2 years
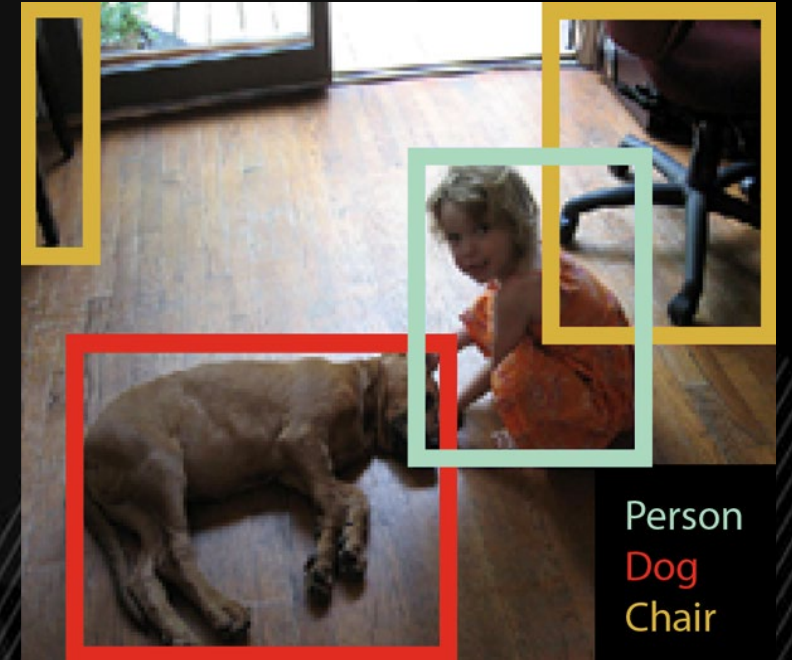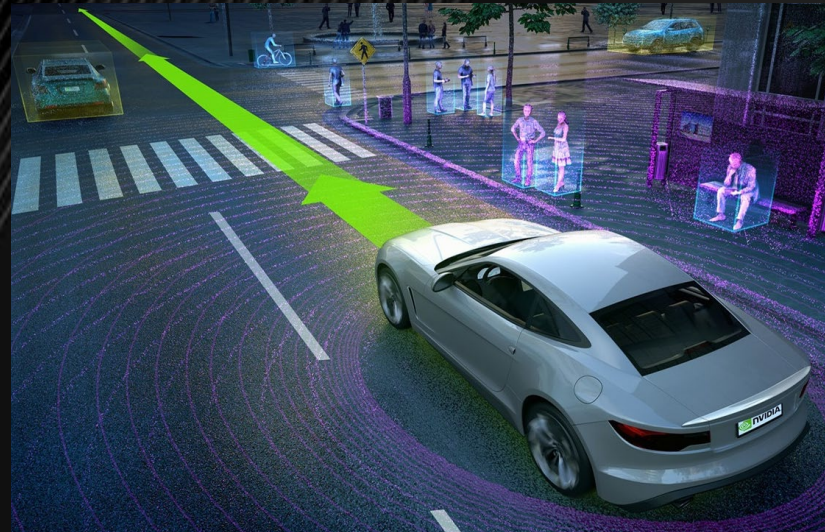
AI Needs Knowledge

Failure of classical AI

Solution: learn from examples (data)

Devices are becoming intelligent

Machine Learning

Massive successes in range of applications

AI

=

Knowledge

+

Decision making

Machine Learning
Understand Perception

Operations Research
Optimize Decisions

Creating optimal schedules for public transportation

Creating optimal delivery and pick-up routes

Optimizing airline ticket prices

Deciding best assortment and arrangement of items in retail store
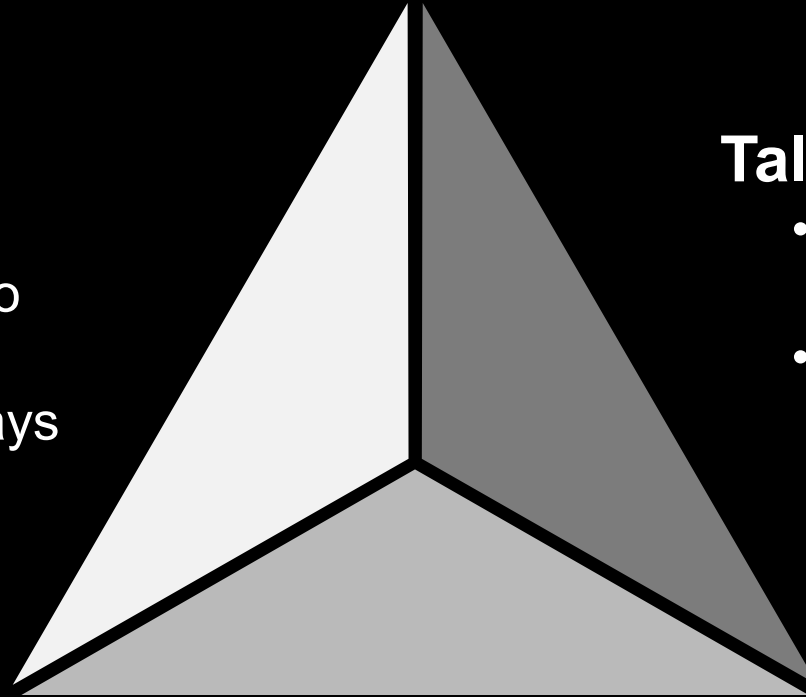
3 ingredients for successful projects

Data
- Cycle from acquisition to decision
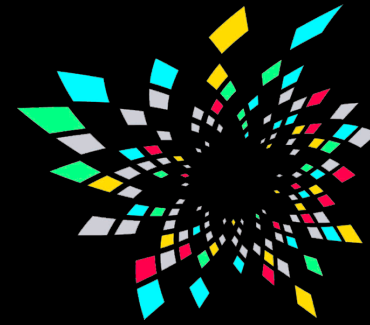- Data highways

Talent
- Academic throughput & support
- Proficiency in the industry
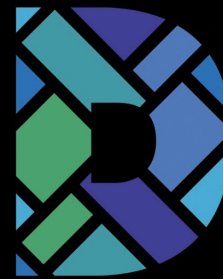
Tech transfer
- Shorter cycles
- Enhanced collaboration
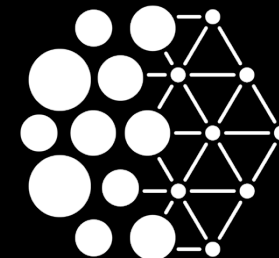
Key Players in the ecosystem