"Ours is not an industry that respects tradition; it only respects **innovation**."

Satya Nadella

Pauline Martin
&
Marco Di Virgilio

Industry Solutions Team
Canadian Public Sector
Microsoft Canada

Microsoft
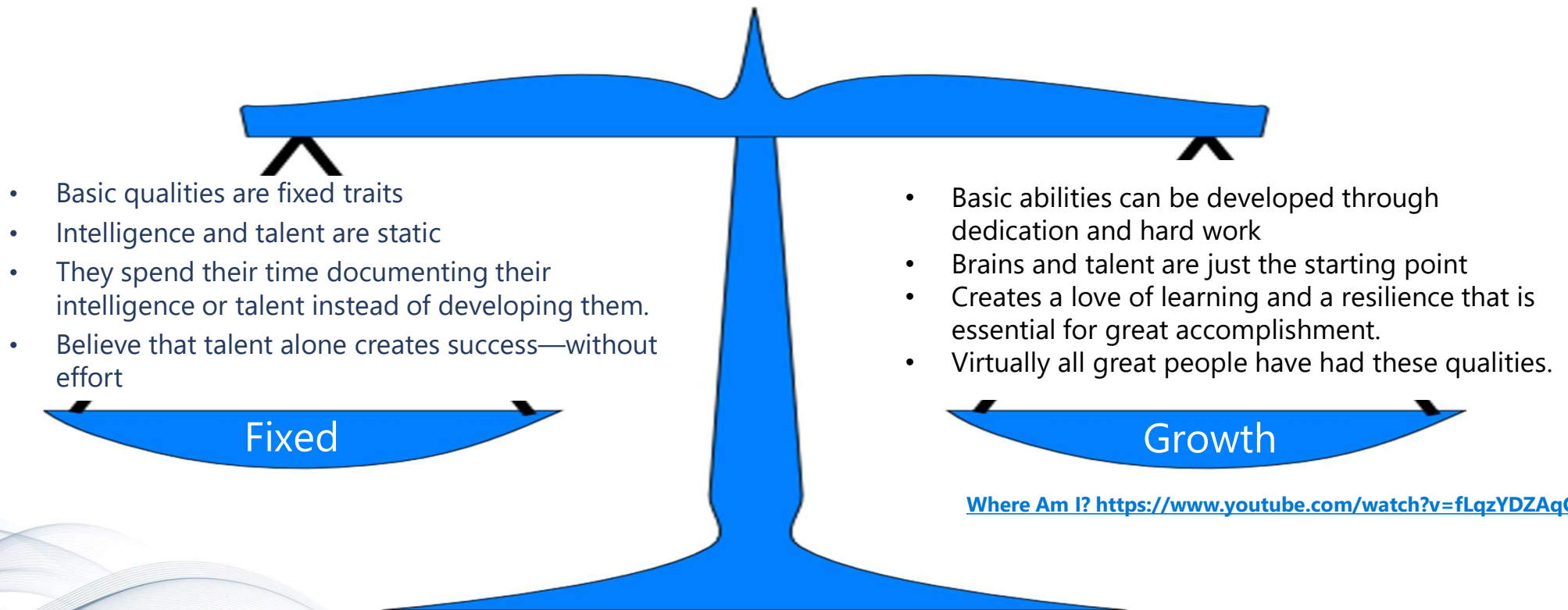
The Canadian National Conference on Innovation

Developing a Culture for Innovation and Impact

Your key individual accomplishments that contribute to team, business or customer results

Your contributions to the success of others

Your results that build on the work, ideas or effort of others

IMPACT

- Growth Mindset
- Collaboration
- Diversity
- Inclusion
- Mission

What is a Growth Mindset?

Growth mindset drives motivation, productivity, creativity and innovation and it enhances relationships by being naturally open and collaborative.

- Basic qualities are fixed traits
- Intelligence and talent are static
- They spend their time documenting their intelligence or talent instead of developing them.
- Believe that talent alone creates success—without effort

Fixed

- Basic abilities can be developed through dedication and hard work
- Brains and talent are just the starting point
- Creates a love of learning and a resilience that is essential for great accomplishment.
- Virtually all great people have had these qualities.

Growth

Where Am I? https://www.youtube.com/watch?v=fLqzYDZAqCI

$12 BILLION

Invested yearly in research and development

Bold regardless of size

Optimistic and **inclusive**

Grounded in **trust**

Executed at **scale**

To empower **every person** and **every organization** on the planet to **achieve more**

BOLD INNOVATION

Project Natick

Project Natick's goal is to manufacture and operate environmentally sustainable, prepackaged datacenter units that can be ordered to size, rapidly deployed, and left to operate lights out on the seafloor for years

Annual Think Week

It took less than 90 days to deploy from factory ship to operation

Datacenter is about 40' long and 12' wide, about the size of a shipping container

100% locally-produced, renewable electricity from solar, off-shore, tide, and wave energy

12 racks of 864 standard Microsoft datacenter servers with FPGA acceleration and 27.6 petabytes of disk

They expect it to run for 5 years

OPTIMISTIC AND
INCLUSIVE INNOVATION
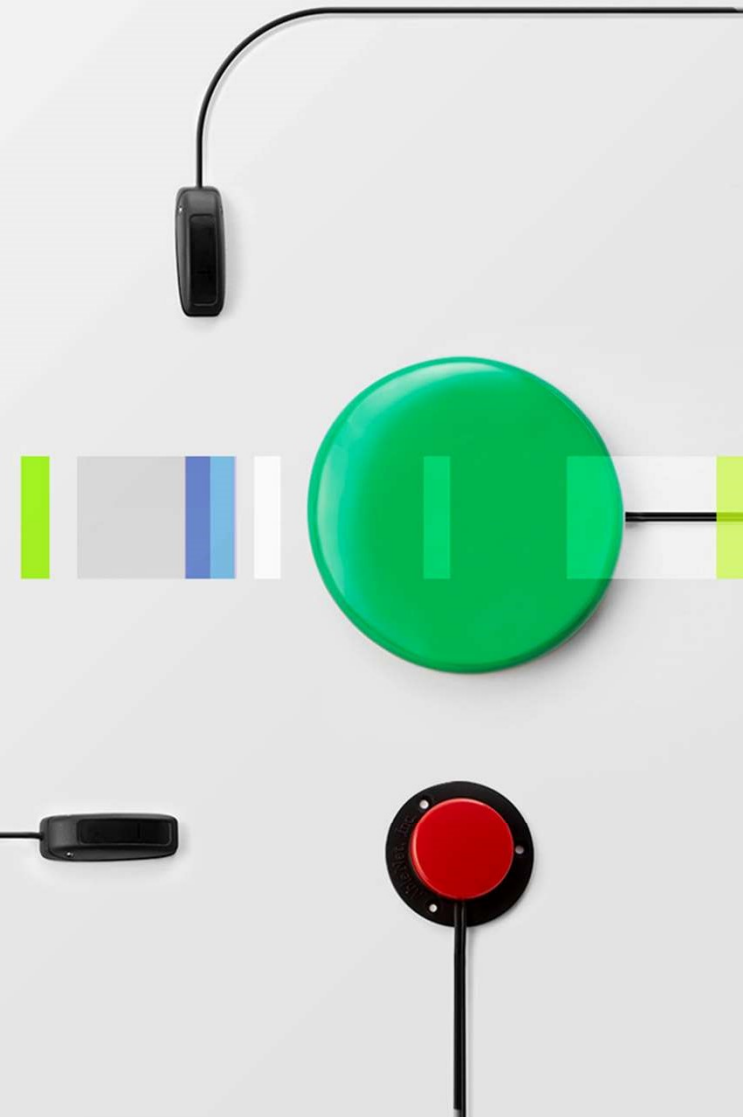
Xbox Adaptive Controller

Hackathon - Microsoft Ability Summit 2015

"We're not trying to design for all of us, we're trying to design for **each of us**."
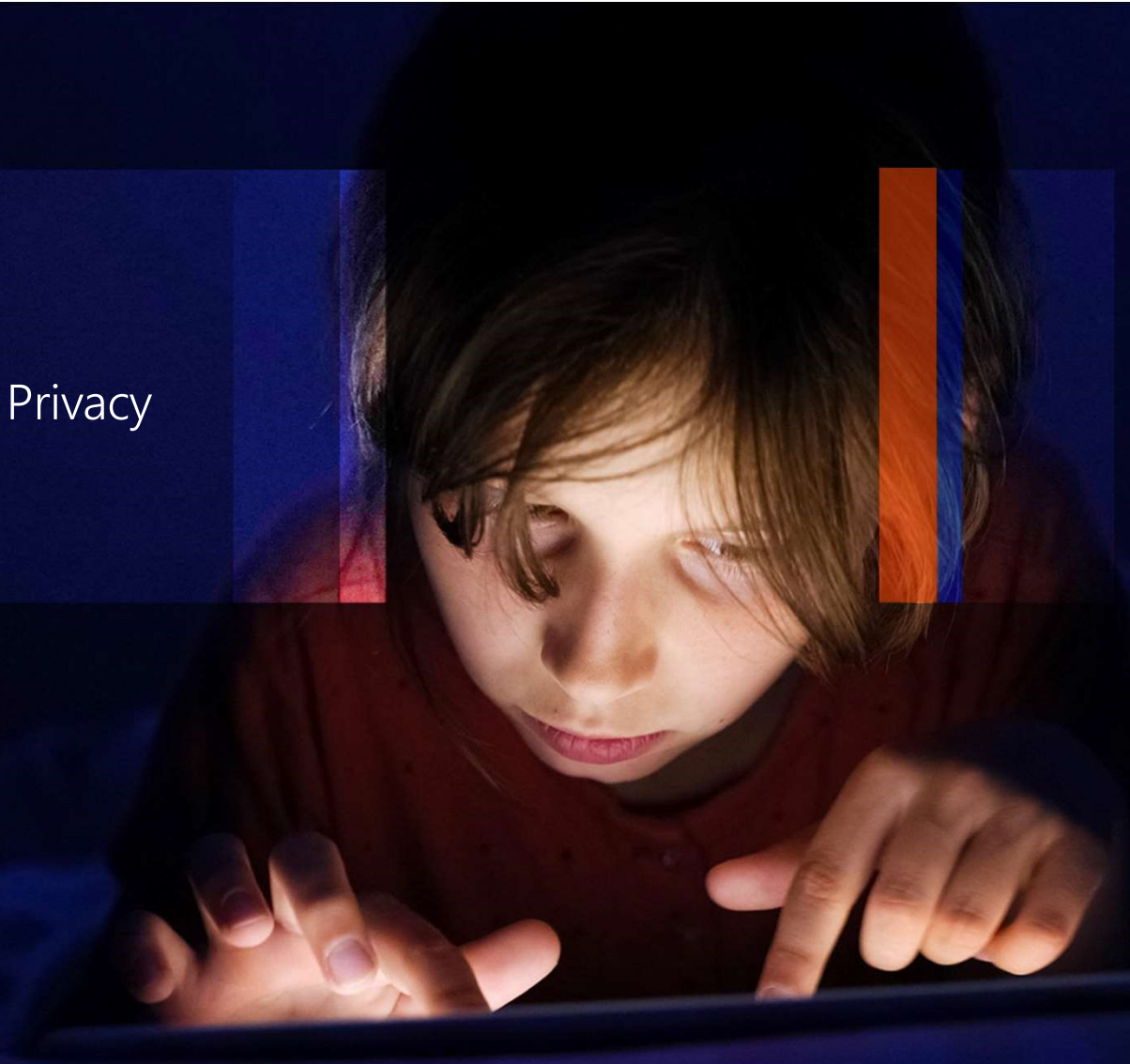
Bryce Johnson
Senior Inclusivity Designer, Xbox

INNOVATIONS ARE BUILT ON TRUST

Time | Attention | Personal Info | Privacy

INNEREYE TECHNOLOGY

AI + Machine learning
Integrated into third-party software
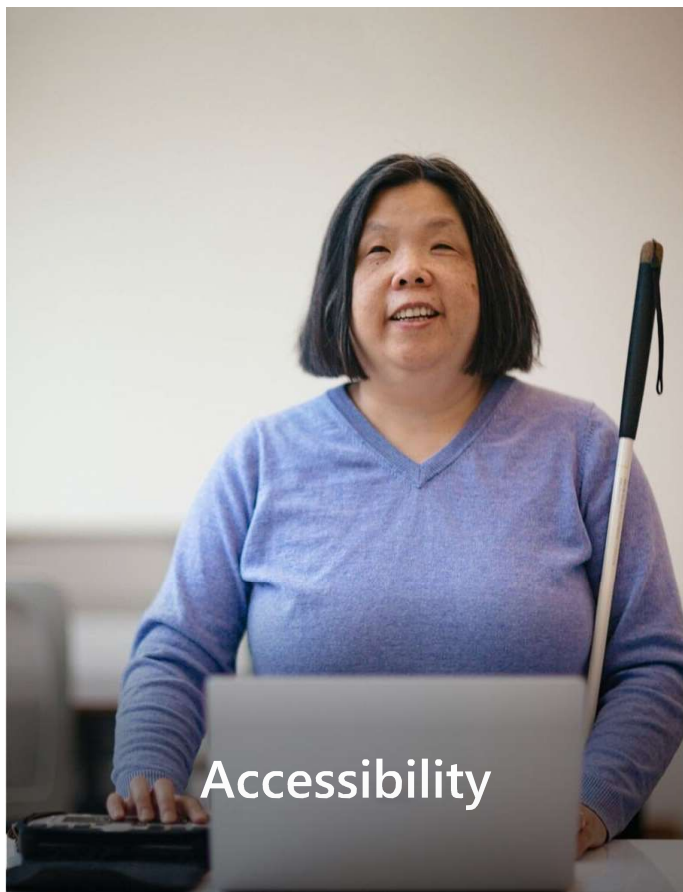
Grounded in Trust

AI for Good

Accessibility

Earth

Humanitarian

The pathway to new technologies requires a **parallel investment in skills development** – making sure people have the **requisite skills to participate in an increasingly digital society**

Satya Nadella, CEO
Hit Refresh, 2017

Canada Focused Skills & Employability

Bootcamps @ Universities and Colleges

AI Labs @ Universities and Colleges

Research Partnerships

Prioritize underserved Communities Across Canada

Become a Learn-it-All

- AI School - https://aischool.microsoft.com/en-us/home

- IoT School - https://iotschool.microsoft.com/en-us/home

- Get Industry Ready (free auditing) – http://edx.org

- Microsoft Learn (free) https://docs.microsoft.com/en-us/learn/

- LinkedIn Learning https://www.linkedin.com/learning

- Pluralsight - https://www.pluralsight.com/

- Coursera – https://www.coursera.org

Smart Capital
Investing in Ottawa's Tomorrow

Invest Ottawa & L5 Autonomous Vehicle Facilities

PRIVATE CAV TEST TRACK

The Ottawa L5 private test track is a 1,866 acre, fenced and gated private facility with 16 kilometers (nearly 10 miles) of paved roads. The largest secure test facility for CAVs in Canada, the Ottawa L5 private test track is equipped to be proving grounds for the safe and rapid pre-commercial development and advancement of CAV technologies.

- High definition cameras;
- Sensors for air and pavement temperature, humidity, barometer and wind;
- DSRC, GPS, LTE/4G, WiFi and 5G;
- HD map (Baidu Apollo) of the entire site; and
- Localized control of traffic light operations.

The Ottawa L5 private test track features 16 kilometers of paved roads that provide proving grounds for CAV technologies in connected and secure environments.

Ottawa L5

Powered by
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accenture

avanade

Microsoft

PUBLIC CAV TEST TRACK

The Ottawa L5 public test track, located in Kanata North, the largest technology park in Canada, provides the CAV test environment on 9 kilometers (5.6 miles) of public roads and in a connected, live city infrastructure.

- Nine traffic lights (DSRC), crosswalks, and communications technologies including: DSRC, high precision GPS, 4G-LTE and 5G for V2I, V2V, V2P and V2N;
- Smart intersection;
- Data, cloud and analytics platform and services; and
- Partnership with City of Ottawa that enables opportunity to collaborate on industry projects.

The Ottawa L5 public test track provides nine kilometers of paved roads that enable CAV technology testing and validation in connected and live city infrastructure.

Microsoft

Merci

Thank You

MDV1   Marco Di Virgilio, 6/10/2019