



My Canadian and American work experience journey 2018



My goals and how the journey effected me

During my time in Canada and America my goal was not only to experience the world of work, but to understand different cultures and history that were new to me. This included the “arts of living” and the community, to the architecture and the technology.

Throughout this experience I have learnt how to live and travel around some of the most innovative places in the world. I was lucky enough to experience what it means to be a part of a diverse work place and how those relationships and attitudes stimulate the development of progressive ideas that are recognised globally.

It has opened my eyes to a world of opportunities. It made me realise how much the world has to offer in any country or city you visit.

“The mark of higher education isn’t the knowledge you accumulate in your head. It’s the skills you gain about how you learn” Adam Grant

INNOVATION IN ARCHITECTURE

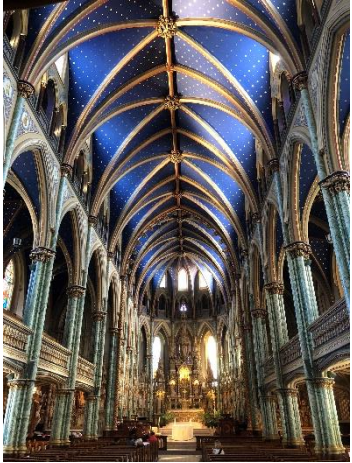
The Past



The Present



The Future



OTTAWA CATHEDRAL

Gothic Revival Architecture



**MUSIC LIGHTS AND
ARCHITECTURE**

Light show and music on
the Canadian Parliament



CN TOWER TORONTO

Once the worlds
tallest free standing
structure



APPLE PARK CUPERTINO

Steve Jobs wanted the Apple Park to look
like a nature refuge.

The entire complex may eventually be
powered from renewable energy. The
whole site is one of the most energy-
efficient buildings in the world.

You can see inside the model of the
building using Augmented Reality



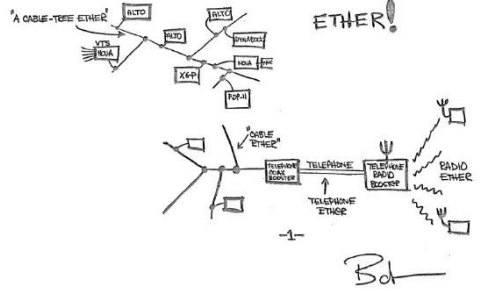
**“As an architect you design for the present with an awareness of the past for a future which is
essentially unknown” – Norman Foster**

TECHNOLOGY INNOVATION

The Past → The Present → The Future



The first personal computer with Windows OS (Xerox PARC)



The Ethernet (Xerox PARC)



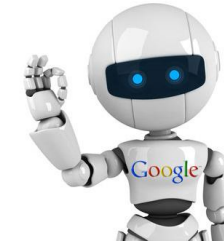
Android



3D Printing



**Mouth Guard
Biosensor**
3D Printed with
fully printed
electronics and
sensors



Google AI Chatbot



Virtual and Augmented Reality

We are transitioning to an era where the physical and digital worlds are merging. We will interact with robots and computers and they will interact with us. We will be connected to the world around us with billions of sensors which will aid us to make data driven informed decisions.

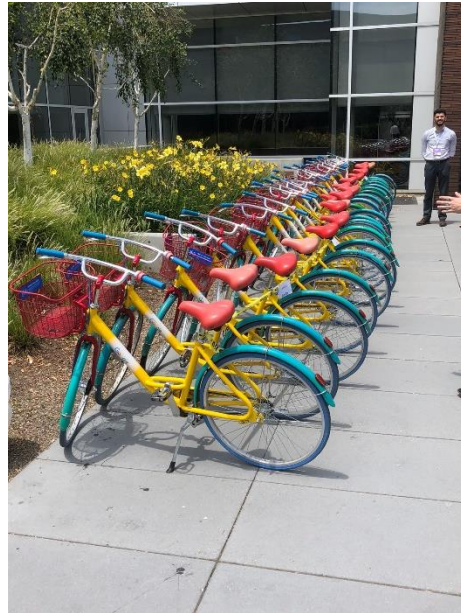
The best way to predict the future is to invent it.” Alan Kay

CULTURE OF INNOVATION

The Past → The Present → The Future



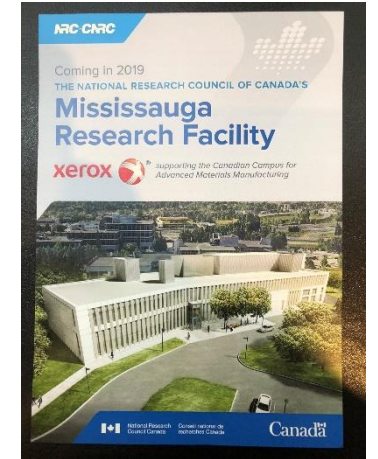
**Original National
Research Council of
Canada Laboratories**



**Google
Home of Googlers!**



Apple Park



**Canadian Campus for
Advanced Materials
Manufacturing**

The move from individual ivory tower secure institutions to a research campus concept with Open Innovation incorporated Collaborative campus with freedom and areas to interact and work and play together

"You can invent alone, but you can't innovate alone" Gijs van Wulfen

INNOVATION IN TRANSPORTATION

The Past



The Present

The Future



Horse Drawn Carriages

The Queen's Landau Carriage in Ottawa. Built in 1890. Still used today on Royal visits



Air Travel and Segways

It used to be that flying was a unusual experience. Now its just like taking a taxi



Autonomous (Self Driving) Cars

These are seen all over Silicon Valley

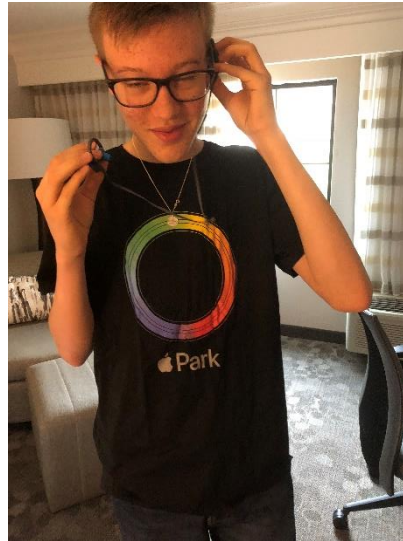
"If I had asked people what they wanted, they would have said faster horses" Henry Ford

THE CHANGING FORMS OF SYMBOLISM



The Indigenous Population of Canada

Symbolism plays a huge role in the Indigenous population. The Totem pole is a good example. They are a symbolic representations of family history, mythology that represented a family



The Democratisation of Knowledge and Freedom of Information

To Millennials “Apple” no longer means the fruit, and Google, Twitter and Facebook are the symbols for the democratisation of information

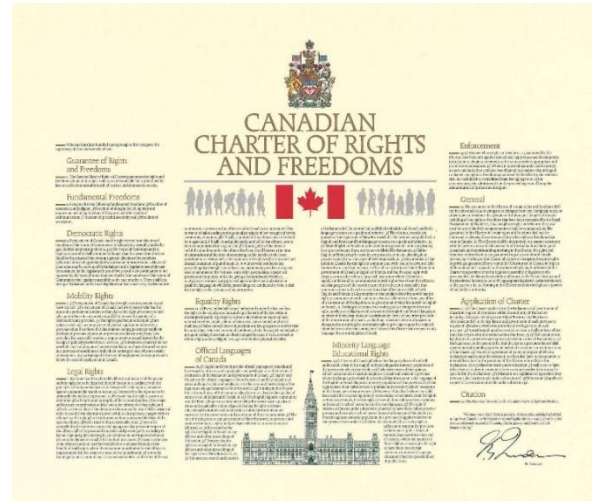


“The whole world has gone back to something we are genetically engineered to do - communicating through symbols” James Woods

THE MOVE TO INCLUSIVITY AND EQUALITY



The Famous Five. Emily Murphy, Irene Marryat Parlby, Nellie Mooney McClung, Louise Crummy McKinney Henrietta Muir Edwards. On Oct. 18, 1929, won a landmark court ruling that recognised women as "persons" and allowed women to sit in the Senate



Canadian Charter of Human Rights and Freedoms (1982)

Fundamental freedoms: Freedom of conscience, freedom of religion, freedom of thought, freedom of belief, freedom of expression, freedom of the press, freedom of peaceful assembly, and freedom of association



Viola Desmond

A civil-rights icon for black Canadians. On the Canadian \$10 bill in 2018.

"I have a dream that one day this nation will rise up and live out the true meaning of its creed - we hold these truths to be self-evident: that all men are created equal." Martin Luther King Jr

DEMOCRATISATION OF CUISINE



Chinese Food

Not in China but in
Los Altos, California



Weiner Schnitzel

Not in Austria but
in Ottawa, Canada



Pizza

Not in Naples, Italy
but in Toronto,
Canada



Sushi

Not in Tokyo,
Japan but in
Oakville, Canada



Barbeque

Not in Melbourne,
Australia but in
Oakville, Canada

“There is no sincerer love than the love of food.” George Bernard Shaw

Thank you!



Thank you to the **Henry Morris Memorial Trust**, this experience and journey of a lifetime would not have been possible without your generosity.

The opportunity enabled my knowledge of the world to grow and to see and understand and appreciate the cultures and innovation in Canada and America and compare these to England.

This journey has changed me as a person and increased my perception of the world. The more I can learn about the possibilities and opportunities around me, the more prepared I will be to be able to take them.

“It is not often that a man can make opportunities for himself. But he can put himself in such shape that when or if the opportunities come he is ready.” Theodore Roosevelt