

# ALEXANDRE LE BOUTHILLIER, PhD



Entrepreneur, artificial intelligence against cancer, Leader of large-scale IT projects

Montréal, Canada

## SUMMARY

After 20 years of experience in IT for hospitals, space agencies, and city-wide storage infrastructure, Alexandre Le Bouthillier transformed his understanding of large systems to tackle inefficiencies in healthcare. Now, he works with world renowned AI experts and physicians to revolutionize the speed, accuracy, and ultimately clinical outcomes of cancer patients. Alexandre is a Board Member of MILA, IVADO, MEDTEQ & Montreal InVivo. With a Ph.D. in Parallel Computing and Optimization from the Université de Montréal. Le Bouthillier co-founded Imagia to leverage advances in artificial intelligence and accelerate the advent of accessible personalized medicine. He is co-founder and partner at Linearis, an AI health fund to foster a collaborative, accessible, equitable and durable end-to-end health continuum.

## EXPERIENCES

### Honoric Board Member

**MILA** *2018 – Ongoing*  
World's largest academic artificial intelligence institute  
2018-2023 Full Board Member ( 5 terms), 2023+ Honoric Member

### Board Member

**IVADO** *2019 – Ongoing*  
The institute for data valorization

### Board Member

**Montreal InVivo** *2017 – Ongoing*  
Works with all stakeholders to strengthen the growth and competitiveness of the Life Science and Health Technology (LSHT) sector

- Co-President of the AI healthcare initiative, ecosystem study with Accenture

### Board Member

**MEDTEQ** *2016 – Ongoing*  
Provides programs designed to help reduce the risks associated with product development and commercialization

- Contributed with AI rationale to the renewal of the 5-year organization funding

### Co-Founder, General Partner

**Linearis** *2022-Ongoing*  
AI health Fund to foster a collaborative, accessible, equitable and durable end-to-end health continuum.

### Co-Founder, Chief Corporate Officer

**Imagia** *2015 – 2022*  
Artificial intelligence against cancer

- Managed initial investment in three (3) months and conducted the first company acquisition

- Co-lead with Terry Fox Research Institute, the creation of the National Digital & Health Discovery Platform (DHDP.ca) with 97 members
- Obtained multiple large federal and provincial loans and grants
- Key public figure of the company in the ecosystem
- Lead the IT infrastructure

## EDUCATION

### Post-Doctoral

**Université de Genève**  
2006 – 2008 Geneva, Switzerland

### PhD, M.Sc., B.Sc., Computer Science

**Université de Montréal**  
1994 – 2006 Montréal, Canada

## PUBLICATIONS

**L'Innovation en santé, 2<sup>e</sup> édition**  
CHU Sainte-Justine, Montréal, Canada  
*Book chapter on AI Health with Yoshua Bengio*  
2019 <https://bit.ly/2LQOCEU>

Scientific publications in Optimization  
<https://bit.ly/3bX5Xa2>

## MOST PROUD OF

- **Inaugural speech of the Terry Fox Run (2019)** with Darrel Fox and participated to the run
- **Teaching AI in healthcare** 1900 online users at CHUM as part of the AI School <http://eiaschum.ca/miam-evidens-une-plateforme-de-decouverte-dia/>
- **Presenting AI to cure cancer at Elevate** 800 attendees <https://elevate.ca/speakers/alexandre-le-bouthillier/>
- **Co-Lead the creation of the National Digital Health & Discovery Platform (DHDP.ca) with the Terry Fox Research Institute and 97 members** <https://www.ic.gc.ca/eic/site/125.nsf/eng/00020.html>

## SKILLS

Negotiation	AI	Ecosystem
Communicator	IT	Leader
Healthcare	Builder	

## Vice-President, Sciences & Technology

Redprairie (JDA) 2012 – 2013

Workforce and logistics solutions

- Led worldwide RFP for optimization engine selection
- Advised pre-merger IT

## Co-Founder, Chief Information Officer

Planora 2002 – 2012

Workforce optimization and artificial intelligence

- Conducted the M&A process with Redprairie (JDA) in three (3) months
- Led the financing round and IT infrastructure
- Microsoft Blue Sky Award, Gold Certification & Bizspark One

## IT Senior Consultant

City of Geneva & Lausanne, Switzerland 2007 – 2009

RFP & replacement of all storage infrastructure for 450K & 110K users

## Virtualization Senior Consultant

Canadian Space Agency 2006 – 2007

Virtualization for all production and lab servers

(10 Managers, 600 users)

## IT Senior Consultant

Sainte-Justine Hospital & École Polytechnique 1994 – 2008

- Management of IT Hospital Research Center (50 researchers)
- Deployment of IT Virology lab of Canada (5K virtual servers)

## SELECTED MEDIA

- Feb 2022 – [Entreprise québécoise transformant la santé](#)
- Oct 2021 – Humaniteq, [Podcast](#) Humanité et nouvelle technologie
- Jan 1, 2021 – [Entrepreneurial video](#), Montréal InVivo
- March 2, 2020 – Notre quartier: le Mile-Ex, PME – Montréal
- March 1, 2020 – L'intelligence artificielle contre le cancer, La Presse
- Nov 6, 2019 – Imagia utilise l'intelligence artificielle pour combattre le cancer, Les échos
- September 24, 2019 – Global News
- May 23, 2019 – Government of Canada, ISED, \$49M Award, Thank you from Alexandre, Co-Founder of Imagia, DHDP
- April 5, 2019 – Imagia: révolutionner le monde médical à l'aide de l'IA, L'histoire d'Alexandre Le Bouthillier
- Jan 21, 2019 – L'intelligence artificielle va rendre le système de santé méconnaissable...et c'est tant mieux, Les Affaires
- Nov 23, 2018 – Imagia, Histoire de réussite, Montréal International
- Nov 17, 2018 – Montréal et l'intelligence artificielle, l'accord parfait, Le Monde
- June 24, 2018 – L'intelligence artificielle, une arme de plus contre le cancer, Le Devoir
- June 1, 2018 – AI Leaders' vision, AI Quebec
- June 1, 2018 – Vision des chefs de file en IA, IA Québec
- March 26, 2018 – BioMed Propulsion program to enable the discovery and commercialization of digital biomarkers through recent advances in artificial intelligence (AI) pioneered by Imagia

## CERTIFICATIONS

- Circuits and Electronics 6.002x, MIT, 2012
- VMware VCP, VMware

## LANGUAGES

French Native ••••• English Proficient •••••

## SELECTED PRESENTATIONS

- 17 Nov 2021 – AI4Health, [Innovative AI Ecosystem](#)
- 17 June 2021 – Contribution de l'IA pour stimuler les avancées en santé, [panel FCCQ](#)
- 16 June 2021 – [Zooms sur l'entreprenariat en innovation et IA](#), Innov-Action, CHUM
- 6 mai 2021 – [Vie privée dès la conception pour la découverte en IA collaborative](#), ACFAS
- Mai 2021 – [A discussion on the future of healthcare](#), RBC Dominion
- 15 March 2021 – AI in Oncology: From drug discovery to market, [panel](#), Effervescence
- Feb 2, 2020 – Construire un écosystème en santé/IA, MOSAIC, HEC
- Dec 11, 2019 – Prescrire l'intelligence artificielle? IVADO
- Nov 20, 2019 – How can the Pharmaceutical Industry Leverage AI and Big Data for better patient outcomes? HRF
- November 12, 2019 – Personalized Health Infoway
- Oct 23, 2019 – Honorary Chair, fundraising for the Montreal Neurological Institute and Hospital, McGill
- Sept 27, 2020 – Current trends in bio-therapeutics, Clinical Translation Education Group (CTEG)
- Sept 15, 2020 – Co-launching the 2019 Terry Fox Montreal Run with Darell Fox, brother of Terry Fox
- July 5, 2019 – Montréal, capitale de l'IA? FrenchFounders
- April 25, 2019 – Plateforme IA de découverte de biomarqueurs, Effervescence
- April 4, 2019 – Opportunities for Healthcare in Digital World, MEDTECH
- Nov 7, 2018 – Artificial Intelligence Discovery Platform for Personalized Healthcare, New Brunswick Health Foundation
- Oct 22, 2018 – Le future de la santé, Techno Montréal
- April 11, 2018 – AI Panel with Lead Canadian Investors, Réseau Capital
- Nov 14, 2016 – Montréal is at the heart of the artificial intelligence boom: a unique opportunity for Québec entrepreneurs. Oslers' Webinar with Yoshua Bengio, Mila.

## AWARDS

- FQRNT, CRSNG, FCAR, ATC, Merit Grants, 2000-2008
- Excellence Award, Humanitarian Development-Environment Canada, 1994

## MY TIME

