YOUTH

ENTREPRENEURSHIP

FORUM

VOL 2: HOW WILL GENERATIVE AI CHANGE THE FUTURE OF WORK?

OTLF
OUTSTANDING TEENAGER
LEADERSHIP FOUNDATION

SUMMER 2025

TABLE OF CONTENTENTS

MESSAGE FROM THE LEADERSHIP GROUP

This research program continues to be driven by our belief in the power of youth and diversity. By bringing together students from different backgrounds, we hope to create a space where emerging leaders can explore today's most pressing challenges and imagine bold solutions for tomorrow.

This year's theme, Artificial Intelligence and Society, was inspired by the rapid growth of AI tools and their impact across multiple industries. From healthcare and education to law, policy, and even creative fields like graphic design, AI is reshaping how people live, work, and learn. While the technology promises efficiency, innovation, and new opportunities, it also raises concerns about ethics, bias, privacy, and the role of human creativity.

Our research teams discovered that while there are countless articles and discussions about AI, very few bring together perspectives from multiple sectors in one place. Recognizing this gap, our teams produced reports that analyze AI's effects in healthcare and education, policy and law, and graphic design. Together, these reports aim to provide a well-rounded understanding of both the opportunities and challenges AI presents. To conserve paper, the full reports can be accessed online at otlf.ca/yef, and we encourage everyone to explore them for deeper insights into the future of AI.

Finally, we extend our gratitude to our mentors, advisors, and the guest speakers who generously shared their time and expertise with our students. We also want to thank the research teams and executive members for their dedication and effort in shaping this program. We believe the work completed this summer has laid a strong foundation for future conversations on how AI can be used responsibly and equitably in our society.

Sincerely,
The Leadership Group

THE LEADERSHIP GROUP

Shreya Sakura Noskor

Co-Director

Pursuing Computer Science and Statistics at the University of Toronto

Benny Konishi

Co-Director

Pursuing Sociology and Computer Science

Vaanya Hassan

Co-Director

Pursuing Political Science and Criminology

GRAPHIC DESIGN

Jolie Chan

Simran Dhillion

Qianhao Han

Savanah Cunningham

Research Question:
What ethical issues are emerging from the use of Generative A.I. in graphic design, and what role should educational institutions play in equipping future designers to navigate this evolving landscape?
-----------------Challenges & Solutions

Challenge 1: Potential erasure of human creativity and authentic expression.
➔ Rather than viewing AI as a threat or a mindless way for work completion, graphic designers are able to adopt a mindset to leverage AI as a tool for efficiency purposes.
➔ A solution to training set bias in LLMs is creating guidelines to impose boundaries for AI integrated into graphic design. Implementing this solution can be challenging as it requires changes to how humans interact within the system to mitigate bias.

Challenge 2: The question of authorship is one of the most critical issues in the debate over AI and copyright law.
➔ A solution to authorship issues in the future could be gathering designers, technologists, and lawmakers to make frameworks that would help stabilize AI while reducing the ethical issues that arise for graphic designers.

Challenge 3: One major concern is the loss of creative authenticity in education.
➔ To address educational challenges, institutions must adopt adaptive teaching strategies and develop new frameworks for responsible AI use. One solution is to reimagine design education by integrating AI tools into collaborative, hands-on learning environments, allowing students to explore the intersection of technology and creativity.

LAW & POLITICS

Haba-Maria Konaré

Sukhmani Bhinder

Eshnika Singh

Iris Jeon

Research Question:
How is GenAI transforming the legal profession, and how should law schools prepare students for these changes?

----------------Challenges & Solutions

Challenge 1: The use of AI-generated Deepfakes and manipulated content have compromised the reliability and authenticity of evidence in court, making it difficult for courts to discern what is falsified or authentic data.
➔ Requiring the disclosure of AI-generated content and maintaining audit logs to ensure transparency and accountability in legal processes.
➔ AI literacy training within law firms to equip lawyers with the knowledge to identify hallucinations, AI-generated images, and deepfake evidence, and to verify sources.

Challenge 2: Breach of client privacy and the ethical duty of lawyers to maintain confidentiality. The use of AI models to process data discloses classified information to third-party AI-providers, for example, during the drafting of a contract.
➔ Developing private and locally hosted AI models enables law firms to use AI without possibly transmitting sensitive client information to external systems.
➔ Establishing clear professional standards and guidelines for those who use AI ensures that parties understand how to utilize AI with sensitive or privileged information.

Challenge 3: Some students may use AI tools to complete written assignments or take-home exams, which can falsify or make it harder to assess the students' actual knowledge and understanding of law.
➔ Redesigning law school assessments to account for AI tools to ensure that student evaluations reflect their actual knowledge and skills in law.
➔ Incorporating AI education into law school curricula prepares future lawyers to use AI tools both effectively and ethically.
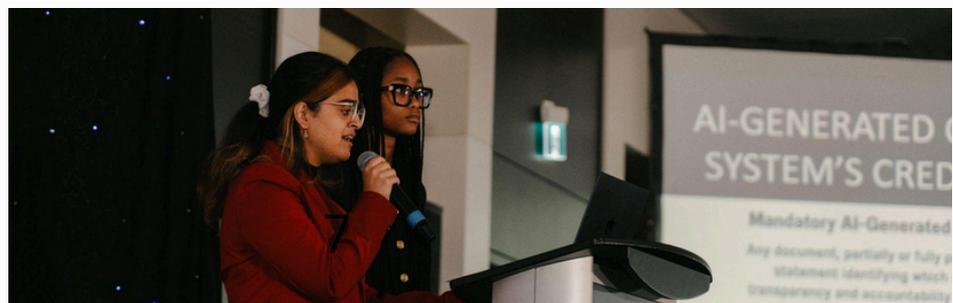
HEALTHCARE & EDUCATION

Chloe Tai

Nafisa Norwin

Aanya Gupta

& Kiarash Kianidehkordi

Research Question:
How is generative AI reshaping operational efficiency in primary healthcare, and how should educational institutions adapt curricula to prepare students to engage with these tools in an evolving, AI-integrated clinical environment?

-----------------Challenges & Solutions

Challenge 1: AI models exhibit bias towards certain patient groups, often occurring with groups that have been historically marginalized, leading to discrepancies in the model's performance.
➜ Mitigating bias starts with developing inclusive health datasets to train generative AI. Data collection processes should capture a variety of demographics to best reflect the diversity of the target population.

Challenge 2: Pervasive use of GenAI among students has posed a great risk of declining critical thinking, making it difficult to assess understanding and the ability to think in stressful situations.
➜ Introducing an AI-training program in institutions for both educators and students, exposing the theoretical and practical applications in an interactive manner.

Challenge 3: With the implementation of AI, the question lies in who must bear the responsibility when something goes wrong.
➜ The creation of flexible regulatory frameworks that may take into account AI systems' iterative nature is one possible solution.

Challenge 4: The integration of generative AI into healthcare has introduced hallucinations in results.
➜ Solution to hallucinations in generative AI requires strategies that improve factual grounding and real-time verification, such as retrieval-augmented generation (RAG), which supplements LLMs with external, trustworthy knowledge sources.

HONORARY MENTORS

Hon. Dr. Reza Moridi, Chair
Dr. Moridi, former Ontario Cabinet Minister, helped transform the province's innovation ecosystem.

Hon. Brad Duguid, Mentor
Former Minsiter of Energy, Ontario. Has 30+ years of experience in public service.

Dr. Milica Radisic, Mentor
Fellow of the Royal Society of Canada and Canada Research Chair in Cardiovascular Tissue Engineering at the University of Toronto.

Dr. Bradly Wouters, Mentor
Dr. Bradly Wouters is an internationally recognized cancer researcher and Executive VP of Science and Research at UHN.

Mr. Kenny Lam, Mentor
Chairman of the Board at The Wharton Business School Asia-Pacific; CEO of Two SIGMA Asia-Pacific.

HONORARY ADVISORS

Mr. Jean Marc Leclerc
Former CEO & President of Honda Canada Inc. and with over 40 years of industry experience.

Mr. Chuan Thor
The founder of AlphaX Partners has over 25 years of experience in the global venture capital industry.

Ms. Yady Ballesteros
Former Director of Strategy Execution of Scotiabank. Seasoned Financial Services executive with 20+ years.
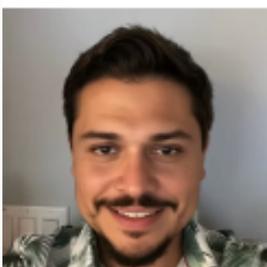
Dr. Gal Raz
Former Ivey's Associate Dean of Research, MBA Professor, Stanford PHD in supply chain management.

Mr. Carlos Cerqueira
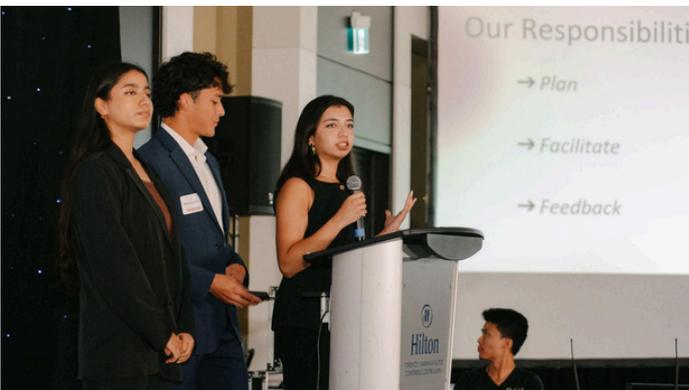*Senior Partner, Borden Ladner Gervais LLP.*

Mr. Carlos Orencio Horta
Director, AI Enablement, Global AI and Machine Learning, Scotiabank.

THE CONFERENCE

SPECIAL THANKS TO THE OPERATION TEAM

Alex Song
Grad' 2028

Andy Song
Princeton University

Bob Liu
Grad' 2026

Darren Zhang
Grad' 2028

Fancy Fu
Grad' 2026

Ivy Zeng
Grad' 2026

Jerry Lu
Grad' 2026

Leo Zeng
Grad' 2026

Lingyun Zhang
Grad' 2029

Phoebe Li
Grad' 2027

Qianhao Han
Grad' 2028

Robert Guo
Grad' 2027

Ruogu Qiu
Grad' 2027

Sarah Wang
Grad' 2026

Shiloh Liu
Grad' 2032

DESIGN AND EDITING

Agnes Yang

Darren Zhang