# Project<sup>X</sup>

## INVITATION PACKAGE

UofT AI

To whom it may concern,

Your university is cordially invited to participate in the 2022 ProjectX research competition.

# WHAT IS PROJECTX?

ProjectX is a four-month-long machine learning research competition for undergraduate students from top universities across North America. We've designed the initiative to focus on tackling important problems in the world.

This year, our theme is Interaction.

As an invited university, you may field one team of 3-6 people. After your team is assembled, they choose one research focus out of three to tackle. From September 2022 to December 2022, teams will work on their chosen problem, culminating in a paper describing their findings.

We will have ~150 undergraduate students with previous research experience from the top 26 universities across North America and the United Kingdom to participate.

Possible focus areas may take a look into how we communicate with each other, the way our infrastructure poses physical barriers to access for people, and the way that we interact with the computer systems that have become central to our daily lives.

The top team in each of the three chosen focus areas will be awarded $25,000, and we look forward to welcoming all participants to Toronto for our annual UofT AI Conference in January, 2023.

**Project^X**

partnerships@uoft.ai          www.uoft.ai

# WHO ARE WE & WHY SHOULD YOU PARTICIPATE?

ProjectX is hosted by the University of Toronto Artificial Intelligence Group. This competition allows you the unique opportunity to both create meaningful research and to win prizes from it. This is not a Hackathon. Teams have four full months from September to December to work, and ultimately, participants keep 100% ownership of their work.

Most importantly, as we move from the global pandemic, it is clear that the way of interaction has drastically changed how we interact with the world. This year's topic is interaction - a look into the ways that we interact with each other and the world. Teams will focus on key challenges that come along the way. Thus, with ProjectX, we have the opportunity to come together as the top minds in this field to shape our own future.

If you believe your university would be interested in fielding a team for ProjectX, please review the details of the following pages and email partnerships@uoft.ai by July 31st to confirm your spot. We are excited to hear back from you!

Sincerely,
Varun Lodaya and Jeannie Yoo
President & Vice President, UofT AI

# COMPETITION TIMELINE

| Jul 31st | Deadline for universities to confirm participation |
| Aug 14th | Deadline for teams to register |
| Sep 14th | Competition Starts |
| Dec 14th | Final deliverables are due |
| Mid January 2023 | Winning teams are announced; awards ceremony for winning teams at the UofT AI Conference |

# SUGGESTIONS FOR TEAM COMPOSITION

When deciding how to field your university's team, please consider these suggestions from us!

1. This competition is geared towards advanced undergraduate students. That means most (if not all) team members should have prior experience in machine learning. All participants should be graduating after April 2023.
2. This competition's problem space is inherently multidisciplinary and so, potential teammates with knowledge in other fields should not be overlooked.
3. Lastly, UofT AI is committed to the promotion of diversity and inclusion in artificial intelligence research. As such, we ask that universities make the same commitment when fielding their teams.

# LAST YEAR'S RESULTS

Last year, the research topic was Health. This topic was chosen as health is a fundamental aspect of how we live, especially in the depths of a global pandemic.

The three subcategories were:
- Epidemiology
- Clinical Practice
- Genetics

Last year's winning papers can be found here.

## Last year's participating universities include:

UNIVERSIDAD DE CHILE · THE UNIVERSITY OF BRITISH COLUMBIA · UNIVERSITY OF TORONTO · Queen's UNIVERSITY · UNIVERSITY OF WATERLOO

uOttawa · Yale · McGill UNIVERSITY · WISCONSIN UNIVERSITY OF WISCONSIN-MADISON · SFU SIMON FRASER UNIVERSITY · University of Massachusetts Amherst

UNIVERSITY OF MICHIGAN · Cornell University · Penn UNIVERSITY of PENNSYLVANIA · UNIVERSITA DEGLI STUDI DI TORINO · UNIVERSITY OF ALBERTA

Caltech · Université de Montréal · COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK · UC San Diego · McMaster University

Northwestern University · USC University of Southern California · UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN · Carnegie Mellon University · JOHNS HOPKINS UNIVERSITY

## Last's sponsors & partners include:

Google · AltaML · deep genomics · IBM

accenture · NVIDIA · moderna

23andMe · VECTOR INSTITUTE

For more information, please visit www.uoft.ai/projectx