

Drive your future through Artificial Intelligence

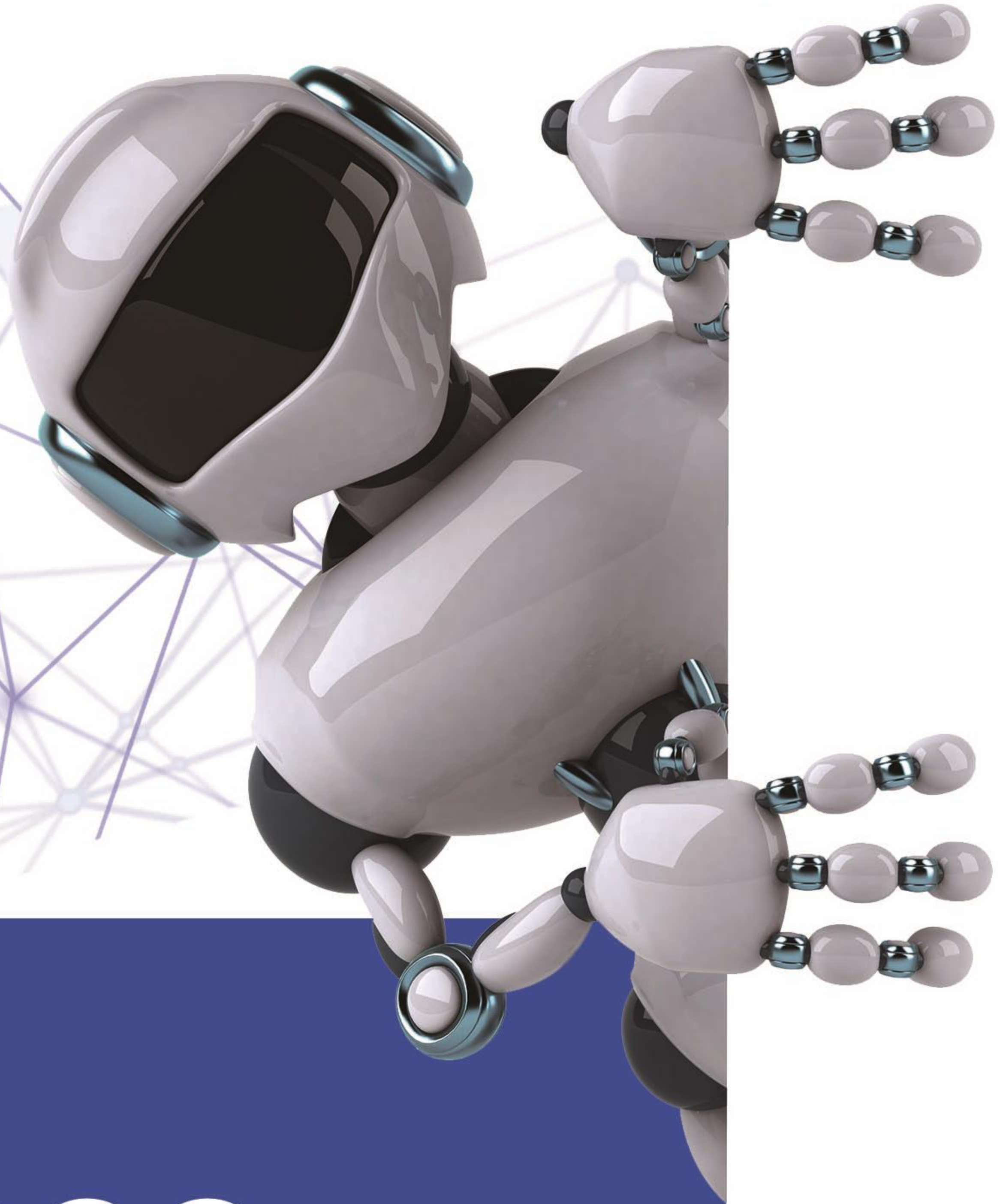


The Erindale Academy



The Global Youth Challenge

**20
24**



Artificial Intelligence Leaders Camp



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- July 2-15, 2024 . Future Artificial Intelligence Leaders Camp – General
- July 18-31, 2024 Future Artificial Intelligence Leaders Camp – Technical

Future Artificial Intelligence (AI) Leaders Camp
▶▶▶ **Toronto, Canada** ◀◀◀



Drive your future through Artificial Intelligence

2024 Artificial Intelligence Leaders Camp

Future Artificial Intelligence (AI) Leaders Camp

Toronto, Canada

■ July 2-15, 2024

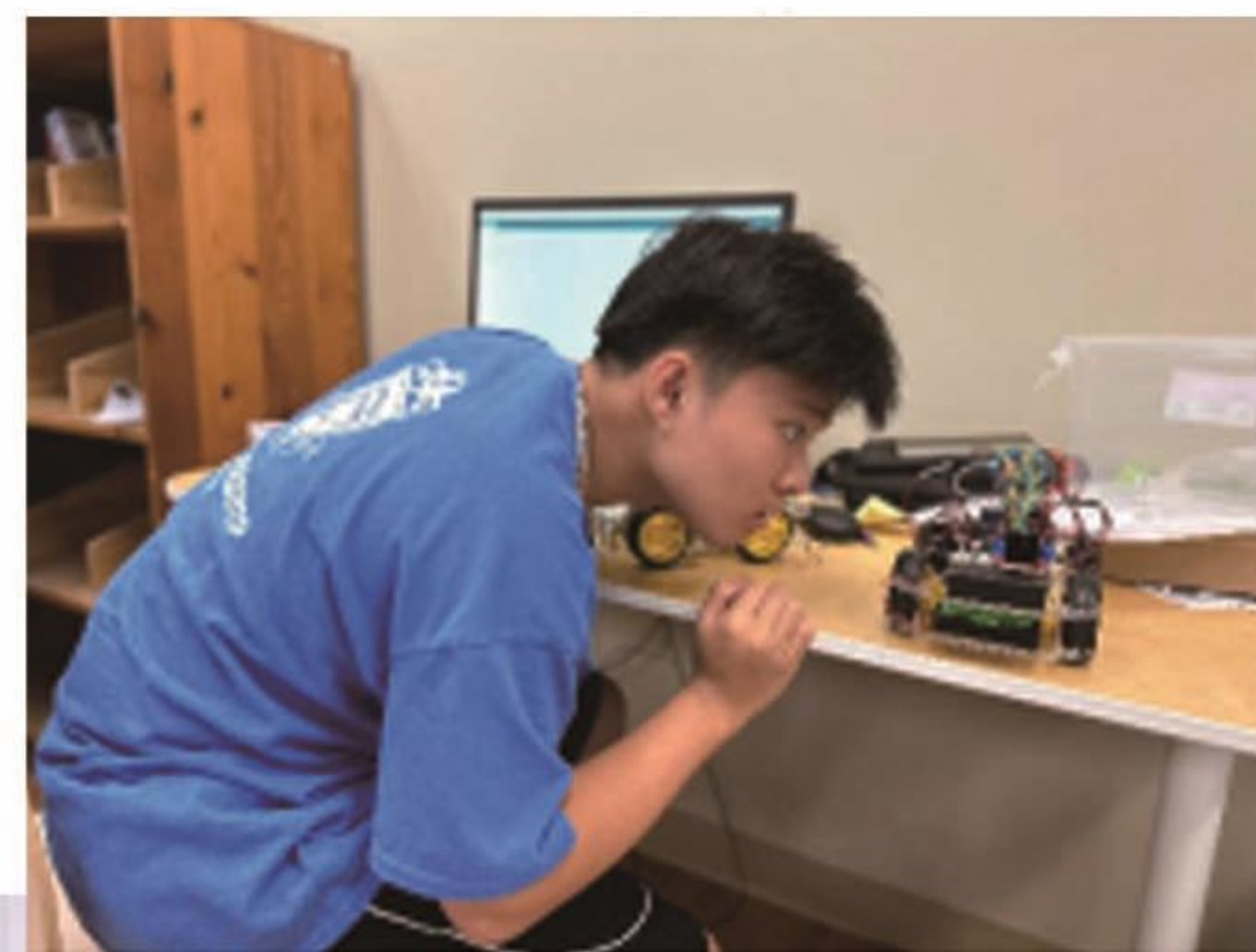
Future Artificial Intelligence Leaders Camp - General

Future Artificial Intelligence Leaders Camp - General is an immersive pre-university experience specifically crafted for students aged 14 to 18. This camp provides a dynamic environment where young enthusiasts can explore the cutting-edge world of artificial intelligence, develop their technical skills, and connect with peers who share their passion for AI and its potential to shape the future.

■ July 18-31, 2024

Future Artificial Intelligence Leaders Camp - Technical

What is Future Artificial Intelligence Leaders Camp-Technical is a pre-university program designed for students aged 14-18 who have an interest in subjects related to AI, computer science, engineering science, mathematics, data science, business and other related fields.



Future Artificial Intelligence (AI) Leaders Camp-General

Drive your future through Artificial Intelligence

July 2-15, 2024

■ What is Future Artificial Intelligence Leaders Camp-General?

It is an immersive pre-university experience specifically crafted for students aged 14 to 18. This camp provides a dynamic environment where young enthusiasts can explore the cutting-edge world of artificial intelligence, develop their technical skills, and connect with peers who share their passion for AI and its potential to shape the future.

■ What are the main objectives?

AI Leaders Camp will develop students' AI awareness and skills, as well as the confidence, resilience, and leadership skills they need for future success. It encourages students to inspire, lead and mentor their peers through creating, participating, and delivering activities and events

Who should participate?

The camp welcomes students aged 14-18 with interests in a range of subjects including artificial intelligence (AI), data science, business, health, leadership, and related fields.

Who are the organizers?

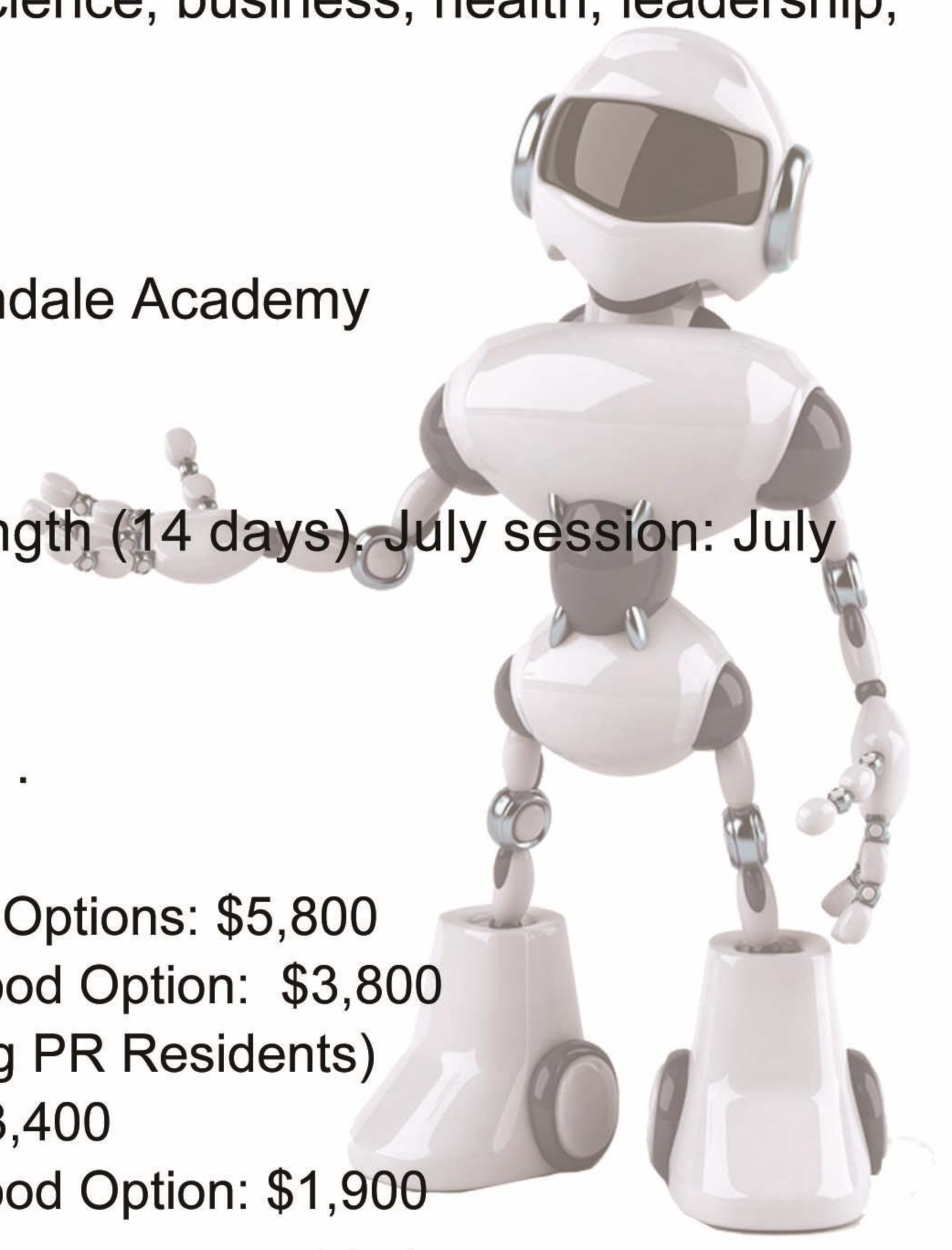
The Global Youth Challenge and The Erindale Academy

How many days of Camp are there?

The AI Leaders Camp is two weeks in length (14 days). July session: July 2-15,2024

How much does it cost? (without airfare) .

- ▶ International Students:
 - Residence and Food Options: \$5,800
 - Commuter without Food Option: \$3,800
- ▶ Canadian Students (Including PR Residents)
 - Residence Option: \$3,400
 - Commuter without Food Option: \$1,900





■ Where will I stay during the 2 weeks of AI Leaders Camp?

Camp participants will stay at Dormitory of the University of Toronto at Mississauga (UTM Dormitory) or Dormitory of The Erindale Academy (TEA Dormitory), Ontario, Canada

■ Why should I join AI Leaders Camp?

Develop AI leadership by constructing projects and exploring the cutting-edge AI labs at prestigious universities, including the University of Toronto, and the University of Waterloo.

■ What technologies are involved?

LMS, AI, Python, Teachable Machine, Machine Learning for Kids, ChatGPT, Tensorflow, Web Design

■ What are the Major Activities included in AI Leaders Camp?

- Build AI Sort Machine
- Build AI Self-drive Robot Car
- Visit AI Lab, University of Toronto
- Visit AI Lab Robot Lab and Quantum Computing (IQC) centers, University of Waterloo
- AI-related university application workshop
- Leadership Roundtable
- Sport Events such as Pickleball, Tennis, Golf, Basketball
- Visit scenic spots such as Niagara Falls, the Ontario Science Centre, Casa Loma, City Hall, the Absolute Towers, and Canada's Wonderland.

■ What are the Major Take Aways?

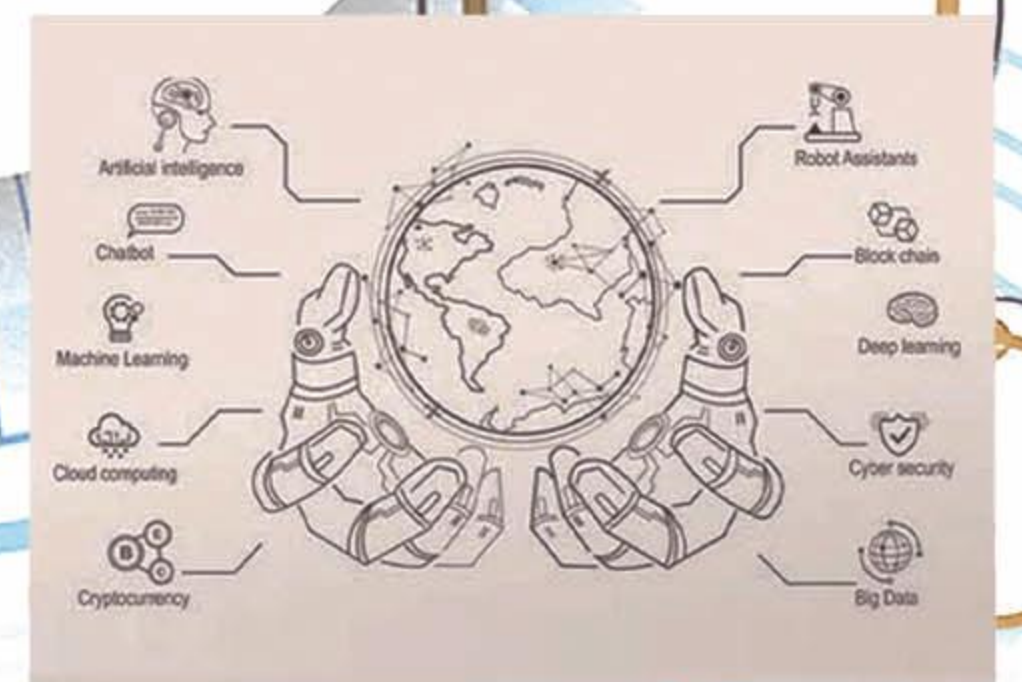
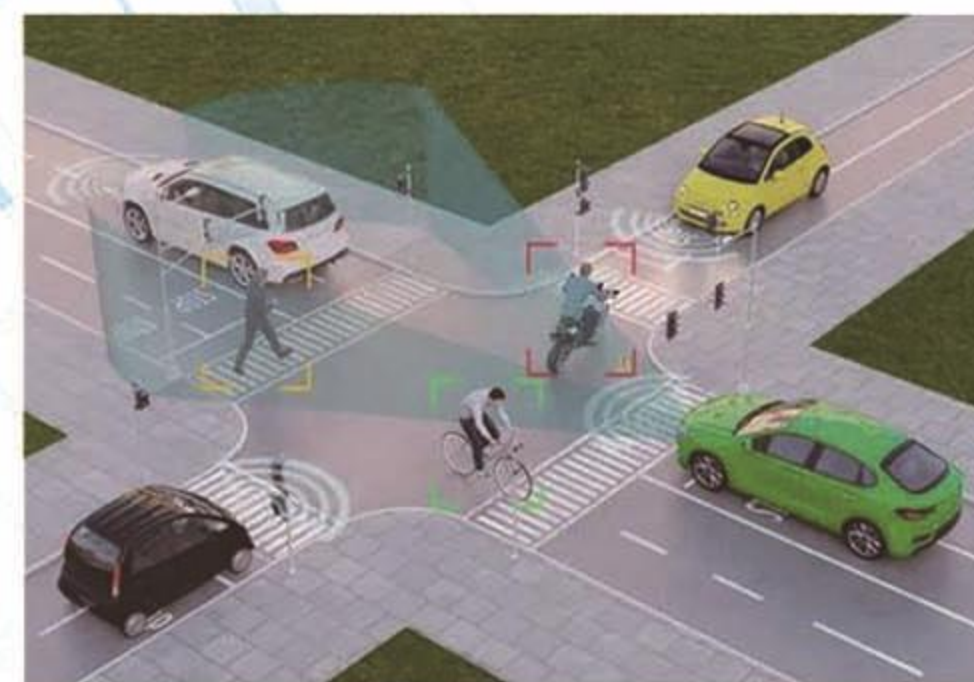
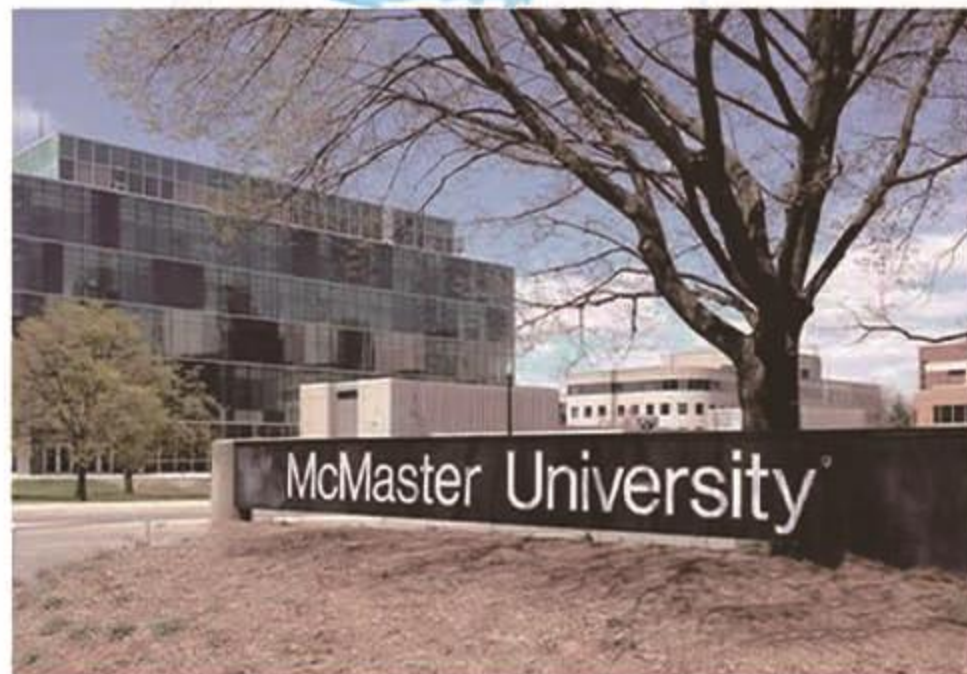
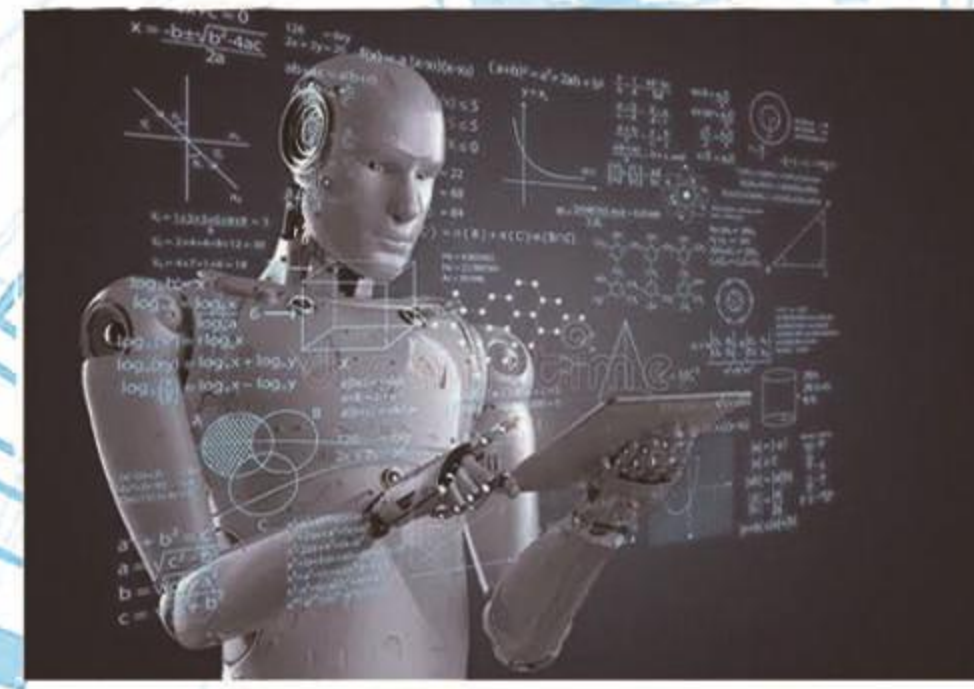
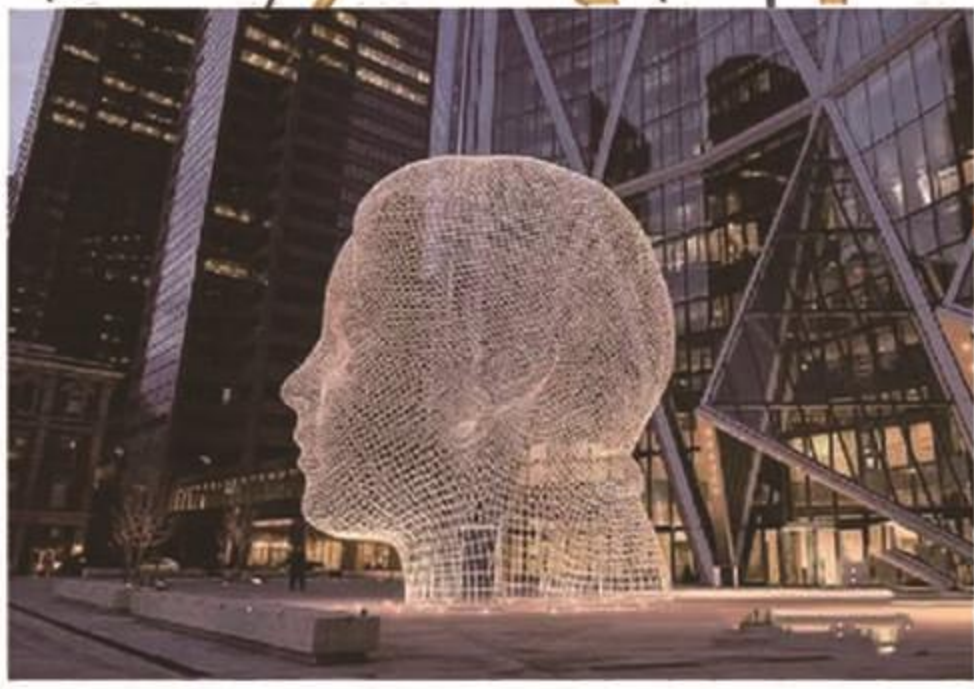
- Artifacts: AI Self-drive Robot Car, AI Sort Machine, Person Website
- Certificate of Future Artificial Intelligence (AI) leaders
- Awards that you win
- University life experience
- Knowledge of AI and leadership skills
- Utilize AI applications to enhance your learning experience.
- Enhanced vision in AI and the future world
- Opportunity to receive a letter of recommendation for university application
- Learn about leadership and leisure in Canada
- Membership in Future AI Leader Hub





■ What Credentials can I earn by participating?

Upon completion of this Camp, you will receive a certificate of participation from The Global Youth Challenge and The Erindale Academy — a powerful testament to your AI awareness and leadership capabilities. This certificate also counts toward academic excellence, which grants tuition benefits from the Erindale Academy.



Future Artificial Intelligence (AI) Leaders Camp-General

Drive your future through Artificial Intelligence

July 2-15, 2024

■ What is Future Artificial Intelligence Leaders Camp-Technical?

The camp is a pre-university program designed for students aged 14-18 who have an interest in subjects related to AI, computer science, engineering science, mathematics, data science, business and other related fields.

■ What are the main objectives?

The AI Leaders Camp-Technical is designed to cultivate students' understanding of AI, enhance their technical and programming skills in AI, and build the confidence, resilience, and leadership abilities essential for future success. It encourages students not only to inspire and lead but also to mentor their peers by actively creating, participating in, and leading a variety of activities and events.

■ Who should participate?

The camp is ideal for students aged 14-18 with a passion for AI, computer science, engineering science, mathematics, data science, business, and other interconnected fields.

■ Who are the organizers?

The Global Youth Challenge and The Erindale Academy

■ How many days of Camp are there?

The AI Leaders Camp is two weeks in length (14 days). July session: July 18-31;

■ How much does it cost? (without airfare)

▶ International Students:

- Residence and Food Options: \$6,800
- Commuter without Food Option: \$4,800
- Commuter without Food and 3-Day Eastern Canada Tour Option: \$4,000

▶ Canadian Students (Including PR Residents)

- Residence Option: \$4,500
- Commuter without Food Option: \$2,900
- Commuter without Food and 3-Day Eastern Canada Tour Option: \$2,000



- **Where will I stay during the 2 weeks of AI Leaders Camp?**

Camp participants will stay at Dormitory of the University of Toronto at Mississauga(UTM Dormitory) or Dormitory of the Erindale Academy(TEA Dormitory), Ontario, Canada

- **Why should I join AI Leaders Camp?**

Enhance your technical and programming abilities in AI through hands-on projects, such as building human-robot interfaces and operating drones. Experience cutting-edge AI labs at leading institutions, including the University of Toronto and the University of Waterloo.

- **What technologies are involved?**

Participants will engage with a variety of technologies, including human-NAO robot interaction, machine learning, and the intricacies of robot hardware and sensors. They will gain experience in programming robots using languages such as Python and Java, as well as developing AI applications for drones and exploring various robot applications.

- **What are the Major Activities included in AI Leaders Camp- Technical?**

Project 1: Human-Robot Interaction with NAO AI

This innovative project takes you into the fascinating world of robotics, where you'll explore and develop the interaction between humans and robots. By participating, you'll gain a deeper understanding of how to design, evaluate, and enhance robotic systems that work alongside humans, facilitating seamless collaboration. Unlock the potential for future innovation by mastering the dynamics of human-robot interaction with the NAO AI—a leading figure in robotics education, health care, and research.

Project 2: Drones AI Application - The Garbage Localization Project.

Embark on a cutting-edge journey where you will harness the power of drone technology combined with artificial intelligence to tackle environmental challenges. This project is designed to put your programming and problem-solving skills to the test as you program drones to identify and locate garbage in varied landscapes. By integrating AI with drone capabilities, you will contribute to real-world solutions for waste management and environmental sustainability.



- **Travel Activities: 3-Day Eastern Canada Tour (Ottawa, Montreal, Quebec)**
Embark on a captivating 3-Day Eastern Canada Tour that whisks you away to the charming trio of Ottawa, Montreal, and Quebec. Discover the heart of Canadian culture, history, and breathtaking scenery. From the architectural splendor of Ottawa's Parliament Hill to the vibrant streets of Montreal and the old-world allure of Quebec City, each destination offers a unique blend of excitement and education.

- **What are the Major Take Aways?**

- **Mastery in Human-Robot Interaction:** Acquire the ability to develop sophisticated systems that enable seamless human-robot collaboration.
- **Advanced AI Programming Skills:** Elevate your technical expertise with in-depth knowledge of AI software development practices.
- **Practical AI Robot Applications:** Gain hands-on experience in applying AI to real-world robotic technology.
- **AI-Driven Aircraft Application Development:** Learn the intricacies of crafting AI applications specifically for use in aviation technology.
- **Inclusion in the Future AI Leader Hub:** Become part of an elite community dedicated to the advancement of AI leadership.
- **Official Certification:** Earn a prestigious Certificate of Future Artificial Intelligence (AI) Leaders-Technical, recognizing your learned competencies.
- **Cultural Immersion:** Explore the essence of Canadian identity, delving into its rich culture, history, and the stunning natural landscape.

- **What Credentials can I earn by participating?**

Upon completion of this Camp, you will receive a certificate of participation from The Global Youth Challenge and The Erindale Academy — a powerful testament to your AI development skills and leadership capabilities. This certificate also counts toward academic excellence, which grants tuition benefits from the Erindale Academy.

