

Sofia Arturo Gomez

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Education

Erindale Academy: Sept 2022 - June 2023

1576 Dundas Street West, Mississauga, Ontario, Canada L5C 1E5

GPA: 96/100

Courses: Grade 12th: MCV4U, ICS4U, MHF4U, SCH4U, SPH4U and ENG4U.

Calatrava School: Sept 2012 – May 2022

Tv 88 N° 157-85 Tuna Alta Sector, Bogotá, Cundinamarca, Colombia

GPA: 4.3/5

Graduated in Grade 11 and received Colombian high school diploma

Escuela Colombiana de Ingeniería Julio Garavito University: Jan 2022 – May 2022

Ak 45 No. 205 - 59, Autopista Norte.

This was during my last semester of high school, as an immersion program

Courses: Precalculus - Geometric analysis - Fundamentals of mechanics -

Introduction to computer science engineering - Fundamentals of communication 1 -

Physical activity and health

GPA: 4.62/5.0

Internships

Computer Science and AI, Ascribe Content Agency

August 2023-December 2023

- Create a chatbot with AI similar to ChatGPT using OpenAI, flask and MonkeyLearn to generate content aligned with various clients' tone of voice, streamlining the content creation process and boosting efficiency in the chatbot responses

Leadership Activities

Founder, Haz De Colores.

2019-present; Grade 9, 10, 11, 12

- Provide schools w/materials, raise donations, scholarship application & leadership program support, university alliances, volunteer teacher network
- Works with 996 students, 6 schools

Member, Generacion V+, promoted by Commission for the Clarification of Truth, Coexistence and Non-Repetition.

2022-present; Grade 11, 12

- Weekly meetings to discuss peace, truth, conflict, and institutional roles, 176 participants.
- Attend events, spread awareness w/theater, movies, documents

Student Council in The Erindale Academy.

2022–2023; Grade 12

- Organize and promote events at my school, accounting for budgets, timelines, and event goals, like a holiday event for Christmas. Lead a recycling initiative at school with posters and signage, coordination with school administration, and the separation and cleaning of recyclable materials from the garbage. As a Latin American student at my school, bring a voice and perspective from my country, and organize multicultural events with other international students.

Peer Tutor /Advisor.**2016-present; Grade 6**

- Supported my classmates in all the educational settings in Colombia school, university immersion, and the Erindale Academy.
- In online meetings, I supported the children and young people of my social initiative "Haz de Colores" in Colombia.

LALA: Latin America Leadership Academy.**June 2022-present; Grade 11, 12**

- 1/12 Latin American ambassadors- 1/400 alumni Vcamps 2022
- As an ambassador I have weekly meetings on expansion; Recruit new members; and facilitate students joining through project Haz de Colores.
- Got accepted after an essay application, and interview and attended 1 camp (Vcamp) to be part of the community.

Alumni-member, She is the Universe**May-October 2023**

- Participate in conferences and meetings related to leadership, coding, inclusion, and mentoring with other women around the globe.
- Got accepted after an essay, video application, and interview, and attended 1 camp along with a 5-month program to be part of the community.

Red shirt day of action for accessibility and inclusion.**May 31 2023; Grade 12**

- Promote and support the movement through social media and at The Erindale Academy.

Member, Girl Up:**2022; Grade 12**

- Attended conferences on women's projects, including technology and disabilities
- Supported my participation in the Singapore Math Contest
- Part of a global network of female leaders

Volunteer, Nankind:**2022-present; Grade 12**

- I am registered in the volunteer database for Nankind in Canada. I have applied as a virtual volunteer to support children with their homework or entertainment time
- Assembling crafts and packaging boxes

Volunteer, Be My Eyes App:**2021-present; Grade 11, 12**

- Assist blind and visually impaired people with daily tasks through video calls.
- Dream of creating an operating system for deaf people or spearheading the process to unify sign languages across the world

Delegate, Assistant Secretary, Calatrava School MUN (CALAMUN):**2019-present; Grades 9, 10, 11**

- Delegate for India & China, topics: climate change, the impact of Covid 19, social media, and protests
- As Secretary, supported delegates during the event (providing water, day-of-event support)

Delegate, International Model United Nations (IMUN):**2021-present; Grades 11, 12**

- Participated independently in 2 online conferences (111 & 112) in May & June 2022. The topics were climate change and renewable energy.
- Represented Israel and China.

Volunteer, Bottles of Love/Botellas de Amor:**2021-present;** Grade 11

- In Colombia, collected plastics every day, put them in bottles, and brought them to a collection company each week, which reuses plastic to build houses for people in poverty.

Participant, IMUN Olympiads:**2022;** 12

- Completed math, English, science, and climate change tests, topics related to climate change and the UN Sustainable Development Goals, and mathematics.

Participant, Intergirls Mathematics Olympiads:**2022;** Grade 12

- Studied independently, and competed in an international exam.
- Attended the Women in STEM Speaker event.

Volleyball Player, Volleyball Institute of Bogota: Grade 9

- Member of practice teams to develop serving and receiving skills, sessions every Saturday.

Awards

Principal Award, Graduating class 2023, The Erindale Academy, Grade 12

Computer Science Award, Graduating class 2023, The Erindale Academy, Grade 12

Science Award, Graduating class 2023, The Erindale Academy, Grade 12

Community & Leadership Award, Graduating class 2023, The Erindale Academy, Grade 12

3rd best student, out of 24 students, GPA: 4.39/5. Grade 11

1st best student, out of 24 students, GPA: 4.44/5 Grade 7 to grade 10

Best female student of the year in Mathematics, out of 24 students, Calatrava School, Grade 9, 10

Best female student of the year in Science, out of 24 students, Calatrava School, Grade 10

Best female student of the year in Social Studies and History out of 24 students, Calatrava School Grade 9

Best female student of the year in Spanish and Literature, Calatrava School, out of 24 students, Grade 9

Finalist and Honorable Mention in the ExpoCalamund Science Fair, out of 150 projects

Projects on:

- Good hand-washing practices
- Protein denaturation demonstrates the importance of exercise and nutrition for Alzheimer's patients
- A fog catcher that helps rural farmers save water
- Kidney stones

Courses taken**AI Scholars Program, Inspirit AI****September 14-November 16 2023**

- 3-Month course advanced Artificial Intelligence certification, classes weds-Tue, lectures, labs, quizzes, final project.
- Applied with essay and gained a scholarship of 20%.
- Taught by alumni from Stanford and MIT universities.

QxQ's Introduction to Quantum Computing, The Coding School**Sept 2023 - April 2024**

- 8-month course of two semesters, advanced Quantum Computing certification, classes Tue, Thur, Sat, lectures, labs, quizzes, final project.
- Applied with essays and gained a scholarship of 100%.

- Taught by alumni from Stanford University, MIT, Berkeley, and Oxford

Samsung Innovation Campus, with the Universidad del Rosario, Colombia

November 22-March 2023; Grade 12

- 6mon course, advanced Python certification, classes Tue-Fri, lectures, quizzes, and hackathons. 320 hours
- 2.5% acceptance/16K applicants, applied w/programming test.

Samsung Innovation Campus, with the Universidad del Rosario, Colombia

April 23-May 2023; Grade 12

- 2mon course, Artificial Intelligence course certification, classes Tue-Fr.
- 2.5% acceptance/16K applicants, applied w/programming test.

National Government of Colombia, w/Ministry of Information and Communication Technologies (MinTIC)

February - November 2022; Grade 11, 12

- Weekly programming/coding course, learned Python, Html, Django, SQL. Basic programming, English, and math entrance exam, certificate of completion
- Every Saturday for 10 month

Technological Accessibility & Visual Impairment Course: NVDA Spanish-Speaking Community Association

October 2021-present; Grade 11

- 10hrs practical/15hrs class; web design & software issues , techniques to support accessibility
- Final project building website with full accessibility features

PAREC Institute: Emergency prevention, risk management and health training organization in Colombia

2019-2021; Grade 9-10

- 120hr certification course: first aid, firefighting, evacuation, search & rescue, community prevention, basic nursing
- Passed written and practical exam

Platzi: Global professional education platform

September 2022-present; Grade 12

- Website and app platform about programming & coding courses, completed Python, taking Java, Prompt Engineering, Flask, UX, OpenAI, & AI certificates.

Learning for a sustainable future: 27th Conference of the Parties of the United Nations,

Framework Convention on Climate Change (UNFCCC) (COP 27) 2022, The University of Edinburgh

December 2022; Grade 12

- 2-week course learned about COP 27 through videos, news, and articles. Online forums, discussions with other leaders, joining projects, and improving community involvement.

United World Colleges (UWC): Re-defining Equality course in Austria

July 2022; Grade 11

- 1/34 students selected globally, discussions and debates on equality and global, national community problems, presentations w/speakers and changemakers
- 3 week course

Global Citizen Year Leadership course

July 2022-present; Grade 12

- Weekly meetings & classes w/15 global student leaders, collaborate & create projects/actions on community issues.1:1 Mentorship. Received scholarship
- Course length 12 weeks, 4 hours each week.

Immerse Education Artificial Intelligence (AI) Program

July 2023; Grade 12

- Applied with an essay on AI as an endangering humankind during the Immerse Education Essay Competition to receive a 20% Scholarship.
- 2-week course on advanced AI and its application in society. Topics covered: machine learning, and deep learning such as neuronal networks.

Colombian Sign Language Course

September 2021; Grade 11

- With a teacher of the deaf population of INSOR (Instituto Nacional de Sordos de Colombia, is the National Institute for the Deaf of Colombia).

NanKind Training

May 28, 2023; Grade 12

- Grief and Bereavement Training, volunteer in creating kits and seal boxes to send to kids who are affected by cancer from one of the family members.
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Skills

Languages:

Japanese Student, Club Nikkan

2020-2021; Grades 9, 10

- 1:1 classes w/private instructor, 2 hr every Friday; developing basic reading, writing, listening, and speaking skills, reached beginner level.

English Student, British Council Colombia

2020-2022; Grades 9, 10, 11

- Weekly group classes for 5yrs, reached. B2 level. Developed reading, writing, listening, speaking, grammar, verb tenses, comprehension skills.

Colombian Sign Language Student, National Institute of the Deaf (INSOR)

2021; Grade 11

- Weekly online classes with deaf Prof. Juan Carlos Nieto, learned basics (name, alphabet, greetings, months. events, sentence formation).
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Conferences attended:

Platzi conf 2023, Mexico, online

May 2023; Grade 12

- Cycle of conferences on technology with an online, where prominent figures from different industries and technology participate.
- This year the special theme is Artificial Intelligence.

Platzi conf 2023, Bogota, in-person

September 23 2023

- Cycle of conferences on technology where prominent figures from different industries and technology participate, including the founder of Platzi.
- This year the special theme is Artificial Intelligence and its impact on several fields the industry and society.

Canadian Congress on Disability Inclusion. Canadian Congress on Disability Inclusion (CCDI) as the Government of Canada's

May 24-26, 2023; Grade 12,

- The Second Annual Canadian Congress on Disability Inclusion by Employment and Social Development Canada.

Digital accessibility courses how screen readers are used on mobile devices!, NIC and the National Disability Agency from Argentina:

May 11, 2023; Grade 12,

- Use of screen readers on mobile devices. Some of the topics we covered were: VoiceOver for iOS, TalkBack for Android, Historical evolution of screen readers, and Third-party screen readers.

Accessibility Awareness Day, Accessibility Awareness and Foundations

May 18, 2023; Grade 12,

- Webinar.

Real-world accessibility, Hosted by Digital.gov and the U.S

May 18, 2023; Grade 12

- Webinar
- Web Design System.

On Accessibility and its importance in the user experience

May 18, 2023; Grade 12

- Webinar.

Expoaccessible 2023, is the Ibero-American virtual fair for accessibility, innovation, and tourism

May 2022-2023; Grade 11, 12

- Webinar about the management and promotion of accessibility in digital and physical environments, to understand inclusion in a transversal way

Canadian Mathematical Society (CMS) Winter Meeting 2022

December 2-5; Grade 12

- 3-day conference in Toronto in December. I attended sessions and lectures on quantum math and applied math in society and current science investigations and experiments.

8th Science Summit at United Nations General Assembly 77 (UNGA77) 2022

September 2022-present; Grade 12

- I attended sessions on climate and global water shortages/droughts

First Latin American Congress on Accessibility and Usability 2022

November 19, 2023; Grade 12

- Online event, I learned about the importance of accessibility and usability with professional programming leaders of Latin America.

First Artificial Intelligence Summit Colombia 2022

August 25, 2023; Grade 12

- 1 day event in Bogota, Colombia
- Attended talks & conferences led by experts on impact and development of AI in business, economy, medicine, education and other applications in society.

“GoPhysics! Gravity & Black Holes”, Perimeter Institute

December 2022; Grade 12,

- I joined with an application, and attended 2 half-day physics lectures

Let's Talk Science, Let's Talk Food

May 11, 2023; Grade 12

- Talks such as Let's Talk Food, among others.
- Webinar

Let's Talk Science, Let's Talk Misinformation

December 1, 2022; Grade 12,

- Security of our information, especially in digital media.
- Webinar

Institute for Quantum Computing

January 17-19, 2023; Grade 12

- Webinar
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Scientific Group Memberships

Member, Youth Science Canada

2022-present; Grade 12

- I joined this organization to have access to courses, youth STEM programs, webinars, conferences and supporting science fairs, mentorship programs, and science-related educational resources

Member, The New York Academy of Sciences

2022-present; Grade 12

- I joined this Academy to have access to courses, youth STEM programs, webinars and conferences.

Member, The Scientific Teen

2022-present; Grade 12

- Global, youth-run STEM communication organization/non-profit.
- For 1-2 hrs per week, I design 1-2 short videos, articles, and posters based on organization needs as part of the design team.

Physica. Escape the ordinary

2022-present; Grade 12

- Platform for young people who seek to promote and empower physics
- I have meetings and weekly discussions on projects like future web designs. I design short videos and posters (1-2 per month) on science and physics topics.

International Model United Nations (IMUN).

2021-present; Grade 11

- Membership

Voices of Youth - UNICEF

2022-present; Grade 12

- Member of this community, and I do outreach of Voices of Youth content on my social media.