

# Ivan Costa Neto

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## EDUCATION

### Strathcona High School - AP Program

09/2021 - Present

#### Assessments

- High School Graduation in Progress (Grade 11)
- Grade 10 Honors with Distinction.
- Grade 10 Member of Model UN Club.
- Grade 10 Member of D&D Club.
- Grade 10 Robotics Club.

### Crestwood Junior High School - AC Program

09/2018 - 06/2021

#### Assessments

- Honors with Distinction for all three years.
- Math Final Mark: 97%
- Science Final Mark: 94%
- English Final Mark: 96%
- Social Final Mark: 96%

### Mount Pleasant School - Cogito Program

09/2011 - 06/2018

#### Assessments

- Excellence on all PATS.
- Gifted and Talented Award received from passing the Academic Challenge tests (AC).
- 99/100 on Math PAT.
- 49/50 on Science PAT.

## VOLUNTEER EXPERIENCE

### Library Assistant - Strathcona High School

10/2021 - 07/2022

#### Tasks

- Cataloging books and other materials using alphabetical author °.
- Inform the school librarian of damaged books.

### Assistant Coach at Soccer Camp - Edmonton Scottish United Soccer Club

07/2022

- Develop the skills and confidence of children under 14.
- Set up drills, warmups, and demonstrate them to the players.
- Encourage young players to be team players, be respectful with coaches and each other, and develop their social skills.
- Leading by example by demonstrating respectfulness, fairness, and teamwork.

## PROJECTS/COMPETITIONS

### Strathcona Robotics Club - Strathcona High School

01/2022 - 05/2022

- Vex Robotics Practice Competition
- Participated in a series of challenges in the construction and programming of a Vex robot to perform certain tasks (i.e. robot sumo, carrying objects, etc.) in a period of time.
- Achieved bronze.

### Science Olympics Team Selection (APEGA) - Strathcona High School

2021

- Qualifying Challenge.
- Two members were responsible for building a wooden bridge across these tables. I was responsible for developing the device, so I chose to construct a LEGO Mindstorm robot as well as code the robot according to the requirements of the challenge. Afterward, we executed tests to perfect the timing of the robot dropping the marble.
- When presented to the judges, we were awarded Gold.

### Science Olympics Year 2 (APEGA) - Crestwood School

11/2019 - 03/2020

- Science Olympics in grade 8
- Topic for this year: Precision Seeding Machine
- Used the criteria to research historical and contemporary farming methods in order to come up with solutions to solve Earth's food crisis as a part of the preliminary project with a classmate. We became co-captains of a team.
- Our team developed an automatic LEGO Mindstorm robot that would drop a seed through a funnel into a capsule every 12 inches.
- Through our research, we also presented answers to some questions related to life and earth sciences, as well as technology and society based on agriculture. Many ideas were demonstrated, such as minichromosome technology, genetically modified crops, and even vertical farms!
- The project award: Silver.

### Math Attack Edmonton Contest - Crestwood School

12/2020

- Participated in a math contest with two of my classmates.

### Science Olympics Year 1 (APEGA) - Crestwood School

11/2018 - 03/2019

- Science Olympics in grade 7
- Topic for this year: Space Exploration - Mars 2025 Colonization
- Used the criteria to build a habitable colony on Mars as part of a preliminary project with a classmate, and presented a 2d model and video to describe the infrastructure of what a colony would look like. We made the team.
- Our team developed and created possible solutions to make the planet of Mars possible for humans to survive on.
- Worked with ideas to improve space exploration and developed new technologies that could be applied to provide enough oxygen, clean water, and produce food on Mars for humans, as well as his ideas on how the infrastructure could be developed to have a minimal environment that allows humans to keep their physical

## Leaders in Training - Edmonton Scottish United Soccer Club

10/2021 - 06/2022

### Tasks

- Assistant to a coach.
- Develop the skills and confidence of children under 6.
- Set up drills, warmups, and demonstrate them to the players.
- Encourage young players to be team players, be respectful with coaches and each other, and develop their social skills.
- Leading by example by demonstrating respectfulness, fairness, and teamwork.

## Library Assistant - Crestwood School

10/2018 - 03/2020

### Tasks

- Cataloging books and other materials using the Dewey Decimal system.
- Taking care of book due dates, returns, holds, and renewing.
- Fixed damaged books or inform the school librarian to replace them if it was beyond repair.
- Helped out during book fairs: greeting customers, answering questions, guiding them to books, and cashier assistant.
- Decorating the library on the holidays: Christmas book trees and so forth.

## Reading Buddies- EPL Whitemud Crossing

2018

### Tasks

- Be a good role model to my reading buddy.
- Encourage reading, literacy games, and conversation.
- One-on-one reading and interactive games.
- Walk around the library and explain book categories that they could explore and identify interests in genres (i.e. fantasy, science fiction, audiobooks, picture books, etc.)

## Snow Angels - Mount Pleasant School

11/2017 - 02/2018

### Tasks

- Shoveling snow off sidewalks around the school and community.

## Library Assistant - Mount Pleasant School

08/2015 - 06/2018

### Tasks

- Cataloging books and other materials using the Dewey Decimal system.
- Taking care of book due dates, returns, holds, and renewing.
- Fixed damaged books or inform the school librarian to replace them if it was beyond repair.
- Helped out during book fairs: greeting customers, answering questions, guiding them to books, and cashier assistant.
- Decorating the library on the holidays: Christmas book trees and so forth

## WORK EXPERIENCE

### Lawn-mowing - Self-Employed

07/2020 - Present

### Tasks

- Mowing, watering, fertilizer application, and managing and maintaining lawn care tools during the summer.

### Science and Math Tutoring - Self-Employed

07/2015 - 08/2020

### Tasks

- and mental state intact.
- Designed a 3D model and information relating to a habitable colony on Mars.
- The project award: Bronze.

## Math Attack Edmonton Contest - Crestwood School

12/2019

- Participated in a math contest with two of my classmates.

## COURSES AND CERTIFICATES

### Alberta Machine Learning Institute (AMII) - Student Developer Conference (DevCon)

10/2022

- Conference on AI, gaming, design, and career planning from some of the most incredible experts in Edmonton.
- Met with local companies and learned about future careers.

### Canadian Soccer Association - Entry Level Referee Program

18/08/2022 - 29/08/2022

### University of Alberta - TeamUP Science Computer Sciences Workshop (Intermediate)

10/2021 - 11/2022

### University of Alberta - Mechanical Engineering Camp

01/2020 - 04/2020

### University of Alberta - Amazing Arduino

09/2019 - 12/2019

### University of Alberta - Robotics Explorers (5-6)

07/2019

### Private Tutoring- Python Anaconda

08/2018 - 08/2019

### Discover Coding - Code Explorers Summer Camp

07/2018

### Concordia University - Level UP Minecraft Coding Course

08/2017

## AWARDS

- Honors with Distinction - Strathcona (2022)
- Global Citizenship at Crestwood School (2021)
- Honors with Distinction - Crestwood (2021)
- Canadian Pascal Math Contest (2nd place at Crestwood School) (2021)
- Honors with Distinction (2020)
- Highest Achievement Award for Sports (2020)
- Highest Achievement Award for Humanities (English and Social) (2020)
- Silver in APEGA Science Olympics (Co-captain) (2020)
- Honors with Distinction (2019)

- Tutoring children from Grades 1 - 6.
- Providing a positive environment and feedback to stimulate learning.
- Active listening to understand their weaknesses and improve the kids academically.
- Being patient and kind to each child's learning speed.
- Teaching and clarifying topics for homework and exams.
- Monitoring student progress, identifying areas needing improvement, helping with homework, and preparing students for tests.

## Babysitting - Self-Employed

07/2015 - 08/2020

### Tasks

- Manage the children's health and welfare during the parents' absence.
- Warming meals and snacks for the children.
- Make sure they are playing nicely and fairly with each other.
- Maintain a safe and healthy environment for children in all respects.
- Take kids to parks or bike outside for fresh air.
- Reading to and playing board games with children.

- Highest Achievement Award for Humanities (English and Social) (2019)
- Highest Achievement Award for Art (2019)
- Bronze in APEGA Science Olympics (2019)
- Silver medalist in Alberta Soccer Provincials (2019)
- Gifted and Talented Student (2018)
- Royal Conservatory Grade 1 Pianist - First Class Honours
- The Royal Conservatory Grade 3 Pianist - First Class Honors
- I have authored two books, one of which has already been published on Lulu since 2014.

# COMPUTATIONAL SKILLS

Over 2000 lines:

Javascript  
HTML 5  
CSS 3

Over 1000 lines:

Python Anaconda  
Python

Over 500 lines:

Arduino  
Java

Experience with

Lego MINDSTORMS  
Python "Turtle"