

# Ivan Ebos

Honours Computer Science Co-op Student

289-527-2710 | [ebosi@mcmaster.ca](mailto:ebosi@mcmaster.ca) | [Linkedin](#) | [GitHub](#)

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## Education

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### McMaster University

Hamilton, ON, Canada

B.A.Sc Computer Science (CO-OP) Business Minor, Math Minor

Sept. 2020 - May 2025

- Received McMaster's entrance scholarship for achieving a 94% average in high school
- Software Courses: Software Development, Algorithms & Databases, Networking
- Business Courses: Information Systems, Marketing, Accounting
- Math Courses: Statistical Applications, Calculus, Financial Math

## Projects

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### SquareRunner

2018 - present

- Utilized **Object Oriented Programming** to design and create an interactive Player vs. AI game in **Python**
- Implemented graphics using the **PyGame** framework

### Recursive Descent Boolean Expression Parser (Principles of Programming)

Oct. 2022

- Designed a predictive BNF grammar using **Discrete Math** knowledge
- Implemented the grammar using a recursive descent parser in **Python**

### Built a Deck

May 2022 - Oct 2022

- Designed joist structure to allow necessary supporting points
- Constructed joist design ensuring precision measurements using many technical skills

### SQL Design Project (Databases)

Mar. 2022

- Created ER Diagrams based on the given system requirement description
- Implement ER Diagram design using **SQL**
- Launched **SQL** script on **PostgreSQL** and **Postico** to test and view databases

### Concurrent Addition Program: (Concurrent Systems)

Nov. 2021

- Created variable **multi-threading** program to calculate the summation of an array of integers.
- Implemented Program in **C** & **GO**

### DeGroote's Den Competition (Placed 2<sup>nd</sup>)

Mar. 2021

- Created a Business idea for a solution to Isolating during COVID-19
- Presented all aspects of the solution to judges

## Skills

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**Proficient Languages:** C, Java, Python, C#, SQL, Golang, Haskell, Assembly (RISC-V)

**Web Development:** Javascript, HTML, CSS, React, Tailwind, Node.js, Next.js

**Tools/Frameworks:** MS Office, Linux, Git, Pygame, NumPy, PostgreSQL, VMware, Matlab, VB

## Experience

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### Team Leader Technician

Oakville, ON, Canada

Canadian BBQ Boys

May 2021 - Aug. 2022

- Trained and directed team members to a fast and efficient working ethic maintaining an average of 1.7h per BBQ
- Achieved a 9.3 rating in Customer Service review, based on customer interaction and service provided
- Completed 335 in the working season, achieving the highest team rating in the company

### Line Cook

Carlisle, ON, Canada

Breezy Corners Family Restaurant

Jan. 2018 - May 2021

- Led team of 3 on the line, administering tasks while maintaining and completing orders at a fast and efficient pace
- Completed an average of 1 order per 15 minutes at a full capacity of 100 seats
- Maintained a clean and sanitary work kitchen ensuring all Ontario Food Safety Regulations were followed

### Math, Physics, Piano

Waterdown, ON, Canada

Tutoring

Feb. 2019 - June 2020

- Taught 1st-level basic piano theory and technical piano skills
- Enhanced grade 11 students' high school math and physics, knowledge and understanding

## Volunteer Experience

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### Waterdown High School

Sept. 2016 - June 2020

- Organized and managed various school-wide events, like a school-wide dodgeball tournament
- Devoted high school mascot for 2 years straight. Motivated hundreds of people for pep rallies, assemblies and other events
- Earned position of team captain from grade 10-12 for the ultimate frisbee team leading the team to SOSSA

### Rock for the Dominican

Nov. 2015 - Nov. 2016

- Managed concerts that raised \$2500 for medical and building supplies for underprivileged families in the Dominican Republic

### Orphan's Hope

Sept. 2014

- Assisted with various fundraising events for Orphan's Hope, helping to raise a total of \$1.5 million, to support 120 orphans from over 20 different countries in financial aid

### Samaritan Foundation

July 2016

- Built 5 homes in the Dominican Republic for needy families
- Participated in outreach programs in orphanages and hospitals