

# Braulio Carrion Corveira

1B Honours Computer Engineer Candidate



bcarrion@uwaterloo.ca



github.com/carr-23



carr-23.github.io



(647)-971-0200

## Skills

Proficiency in Java, C++ in object-oriented programming and basic Knowledge of C#, CSS, & HTML

Experience with circuit design, Assembly, and Arduino

Hands-on experience with modelling, soldering, wiring, and CNC technology

Knowledge of tools such as Ubuntu Terminal, Visual Studio, Unity, Git, and 3DS Max

## Projects

### Breaker Duel

Jan 2020

- Built an Android and IOS game in C# using Unity engine which is currently published in the Google Play Store.
- Lead development of the game, handling task assignments and timeline management.
- Learned to deal with uncooperative team members, and how to be direct while keeping my patience.

### Konflyx.io

Apr—June 2019

- Created a conflict resolution training game using Java OOP, optimized CPU usage by focusing on time complexity.
- Increased efficiency and expandability while decreasing development time using OOP.
- Gained experience in teamwork decision conflict and coordinated with version history and pushes using GitHub.

### iCar

Nov—Jan 2019

- Team software lead for automated car maze competition, design escaped maze 25% faster than average time.
- The Arduino C++ code written allowed the iCar to have the most accurate reading with its sensors at a lower cost.
- 3D modelled a chassis using 3Ds Max to match the dimension restriction and fit the electrical network inside.

### T-intersection

Apr—June 2018

- Created a T-intersection using different electronic components programmed with C++ on an Arduino Uno.
- Modelled and 3D printed the pieces for the system to make the intersection look realistically accurate.

### Minesweeper

Apr—June 2018

- Used multiple 2D arrays alongside mathematical functions in Java to create a random level generator.
- Effectively organized the structure of the program by utilizing UML diagrams.

## Work & Volunteer

### Real Canadian Super Store: PC Express

July—Aug 2019

- Worked under high-pressure situations which taught me to manage customers while at a fast and productive rate.
- Due to shortage of items, had to deal with customers who's orders where not met and made sure they left satisfied.

### City of Toronto - Parks, Forestry, and Recreation

July—Aug 2018

- Helped organize events and setting up electronic equipment for community concerts.
- Event was for a nursing home. Learned how to assist others while also developing better communication skills.

## Education

University of Waterloo — Computer Engineering Candidate

2019-2024

## Certifications

CISCO IT Essentials

June 2019

Focus on Information Technology (FIT) Computer Science

June 2019

Focus on Information Technology (FIT) Computer Engineering

Jan 2019