Braulio Carrion Corveira

1B Honours Computer Engineer Candidate

✉ bcarrion@uwaterloo.ca   github.com/carr-23   ✆ (647)-971-0200

Skills

Proficiency in Java, C++, and C#, with knowledge in object-oriented programming

Experience with circuit design, Assembly, and Arduino's

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

Knowledge of tools such as Ubuntu Terminal, Unity, 3Ds Max, and GitHub

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