

# Cristian Brazales

Senior Software Developer

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## EDUCATION

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### University of British Columbia

Bachelor of Applied Science – Computer Engineering

Vancouver, BC

Sep 2016 - May 2020

### Georgia Institute of Technology

Georgia Tech Online Master of Science in Computer Science

Georgia

Jan 2023 - Today

## KEY SKILLS

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### App and Web Development

React Native, Android Studio, React, HTML, CSS

### Back End

Node Js, Relational and NoSQL DB, Cloud system(AWS,Azure)

### Programming Languages

C, C++, Java, JavaScript, Python

### Hardware design

Verilog, FPGA, Arduino, Raspberry Pi

### Tech platforms

Matlab, R, AWS, Microsoft Azure, Quartus, Modelsim

## EXPERIENCE

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### KrugerCorp

Senior Software Developer

Quito, Ecuador

September 2022 - Today

- Maintain and update production systems and websites
- Maintaining and upgrading existing systems.
- Document code.
- Work with developers, UX designers, and systems analysts.
- Follow agile practices

### Rogers

Software Developer New Grad

Toronto, Canada

May 2021 - September 2022

- Support on the development of various projects
- Maintain and update production systems and websites
- Develop features based on requirements
- Develop fixes for production environments
- Work with agile methodology

### WebCreek

Software Engineer I (Contractor)

Quito, Ecuador

Sep 2020 - Apr 2021

- Support on the development and testing processes
- Maintain and update production systems

### Rogers Communications

Technology Co-op

Toronto ON, Canada

Jun 2020 - Aug 2020

- Assisting with the planning and delivery process of large scale projects
- Working on the coordination between multiple departments, teams and vendors
- Supporting the development of user stories, scope assessment for new projects

### University of British Columbia

Teacher Assistant in Introduction to Computation in Engineering design

Vancouver BC, Canada

Aug 2018 - Apr 2020

- Introductory C programming course for engineering students covering software design principles with a focus on engineering problem-solving
- Supporting students to learn C by answering in-class questions on topics such as functions, loops, file I/O
- Supervising students in programming labs, marking midterms and finals exams

## PROJECTS

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### University Capstone Project (SQL/My SQL, Node JS, React, AWS)

*Sep 2019 – Apr 2020*

- Group project.- A fully functional web application for visualizing Trademark-related data, generating PDF reports, and business analysis tools on the use of the application
- Individual responsibilities.- Performed the data migration between SQL and My SQL, analyzed and improved the queries' performance, programmed the reporting server and assisted with the full stack development of the application

### Live Rock star (Node Js, React, JavaScript)

*Oct 2019*

- Group project.- A video game designed to use the advantages of 5G Technology. The game streams video frames to the server, where a machine learning algorithm responds with the person's head position and game status
- Individual responsibilities.- Programmed the server-side, integrated a machine learning algorithm into the back-end, assisted in developing the web application and API

### Age Restricted Vending Machine (C++, Android Studio)

*Jan 2019 – Mar 2019*

- Group project.- A prototype of a real vending machine remotely secured by the Android app. The vending machine scans the id and compares it to a cloud DB. The app requires facial recognition, digital print, an expiring confirmation code to access products, and suggestions based on previous purchases
- Individual responsibilities.- Programmed the user interface of the vending machine, helped to develop the mobile app, user interface, data statistics graphs and API

### Rental Finder (React Native, Node Js, MongoDB, AWS)

*Sep 2018 – Nov 2018*

- Group project.- Android and iOS mobile app that aims to improve the search for housing in Vancouver. The app helps to post and search for places in the Vancouver area
- Individual responsibilities.- Programmed the user interface and API for communication between the app and DB

## AWARDS AND ACHIEVEMENTS

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### Winners of Rogers 5G Edge Challenge

**Vancouver BC, Canada**

*Rogers 5G Edge Challenge Hackathon*

*Oct 2019*

- Our team was awarded the first place at the Rogers 5G Edge Challenge with the project Live RockStar

## Languages

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- Spanish (Native)
- English (Fluent)
- Italian (Basic)