

Cristian Brazales

Senior Software Developer

✉ cristianbrazalesmolina@gmail.com • 🌐 cristianbrazales.com

EDUCATION

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

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

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 - Today

- 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

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

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

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