

# Cristiano Iacobelli

Mechanical Engineer

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<https://cjiacobelli.github.io/>

## Skills & Abilities

- Fluent in spoken and written English and French.
- Experience in the following computer skills:
  - Python, CAD (Solid Works, Fusion 360, Solid Edge), Android Studios (Kotlin, Java, xml), Visual Studios (HTML, css), MATLAB (Simulink, Stateflow), Arduino IDE, Unity (C#), C, Microsoft Office, Github, CAN, DBC.
- Lab experience using each of the following methods of manufacturing once:
  - turning, milling, drilling, grinding, waterjet cutting, plasma cutting, welding, tension, compression, bulk forming, sheet metal forming, rolling, extrusion, hydroforming, deep drawing, bending, and punching.

## Experience

### Engineer Intern –

INTGR8 Technologies Inc. ([www.intgr8.ca](http://www.intgr8.ca))

May – August 2020 & May – August 2021

- INTGR8 develops innovative controls solutions for transportation including Active Controls for connected cars and electrified powertrain control software
- Developed a controls system that controlled our test vehicle's top speed (based on a speed limit), acceleration and headway. Mainly programmed in MATLAB and Simulink
- Designed and 3D printed case for the controller
- Made multiple harnesses, which I installed in the test vehicle
- Worked on android studio code that takes data from map SDK's and began to integrate MapBox Vision SDK into it as well
- Designed concepts and renderings for a semi-autonomous Last Mile delivery vehicle using Fusion 360

### Fuel Cell Production –

CORE Energy Recovery Solutions ([core.life/en](http://core.life/en))

May – August 2019

- CORE designs and produces energy recovery exchangers for a wide range of applications
- Responsible for housing, leak testing and packaging fuel cell humidifiers
- Filled out Excel spreadsheets
- Observed and talked to engineers about their projects

### Salesman –

Nellie's Clean Incorporated

August 2018

- Responsible for restocking shelves and selling cleaning products

### Busser –

The Sandbar Seafood Restaurant

July – September 2017

- Responsible for clearing and re-setting tables
- Delivered bread and water to every table
- Vacuumed dining area and brought ice to bars

### Voting Officer –

Elections BC

May 2017

- Responsible for setting up voting stations, issuing ballots and counting ballots

**Referee –****Vancouver Athletic Football Club****September 2012 – February 2016**

- Responsible for refereeing and assistant refereeing youth soccer games

**Volunteer –****Greater Vancouver Foodbank****January 2016**

- Responsible for preparing and moving emergency food bags

**Education****Queen's University****Sept 2018 – May 2022**

Mechanical Engineering, BAsC

**Activities & Achievements**

- Mechanical Engineering, BAsC
- Bilingual Dogwood Diploma
- Med A3
- Vancouver Metro soccer
- VMHA A2 ice hockey
- Kitsilano Secondary School Varsity Soccer
- Kitsilano Secondary School Varsity Hockey
- Kitsilano Secondary School Junior Rugby
- Roman Tulis Soccer School of Excellence
- MVP VMHA rep hockey tournament
- Seventh place in 2017 BC High School Varsity Soccer Provincials