



# VANIA ALEJANDRA ELIZONDO MARTÍNEZ

My goal is to contribute in the creation of a technological future in the area of embedded software.

## CONTACT



vaniaelizondomartinez@gmail.com



811 029 5364



www.linkedin.com/in/vania-elizondo



@vaniaelizondo



vaniaelizondo.github.io/CV/



Monterrey, México

## SKILLS

### Programming:

C++, Python, Arduino

### Modelling and simulation:

Matlab, R, Unity, LabView, LTSpice, Eagle

### Web development:

HTML, React.js, Git, MongoDB, MySQL

### Languages:

Spanish, English, French, German

### Personal skills:

Organization, responsibility, leadership, adaptability

## EDUCATION

### Tecnológico de Monterrey

BS Digital Systems and Robotics Engineering (Overall average: 92)  
August 2015 – December 2019

### University of British Columbia, Vancouver

Big data and new technologies in cities  
June 2019

### Prepa Tec, Campus Cumbres

International Baccalaureate (IB) Certificate  
August 2011 – May 2014

## EXPERIENCE

### John Deere – Embedded software internship

September – December 2019

- ✓ Developed Python scripts to automate reports view.
- ✓ Continuous Jenkins support enhancing deployment time. Corrections on pipeline syntax and added features such as HTML reports.

### NEORIS – Back-end development internship

October 2018 – May 2019

- ✓ Developed mtydigitalhub.com website with React.js.
- ✓ Creation of fields with Strapi and queries with GraphQL.
- ✓ MongoDB continuous support.

### i Semester – Ternium

August – December 2018

- ✓ Electronic PCB design of locator device whose battery lasts up for 2 years using Eagle.
- ✓ Coded WiFi communication protocol for the NodeMCU in Arduino.

### Regnum Christi Coworker in Medellín, Colombia

August 2014 – July 2015

- ✓ Spiritual guidance for female teenagers.
- ✓ ECYD Coordinator responsible of weekly catechism.
- ✓ Social service activities with drug addicts, single moms and the elderly.

## PERSONAL PROJECTS

### Compiler

Performs simple mathematical equations developed in Python.

### Digital Control Loop Simulator

Python simulation of a real-time system control.

### Sports Club Reservation Program

C++ object-oriented reservation program.

### Mahjong Game

Introductory game using basic C++ concepts.