



VANIA ALEJANDRA ELIZONDO MARTÍNEZ

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

CONTACT



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@vaniaelizondo



vaniaelizondo.github.io/CV/



Monterrey, México

SKILLS

Programming:

C++, Python, Arduino, VHDL, Assembly

Modelling and simulation:

Matlab, R, Unity, LabView, LTSpice

Web development:

HTML, React.js, Git

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

Designed the syntax and grammar of my own compiler to perform simple mathematical equations using Python.

Digital Control Loop Simulator

Python simulation of a real-time system control in its manual and automatic operation mode.