

# David Alexander Orejuela Caicedo

ELECTRONIC ENGINEER |  
SOFTWARE DEVELOPER



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Github

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## HOBBIES

Dancing

Movies

Hiking

## LANGUAGES

English

B2

Spanish

Native

## SKILLS

Python3

Advanced

C

Advanced

Bash

Intermediate

Ruby On

Rails

Intermediate

## ABOUT

Electronic Engineer & Software developer with 3 years of professional experience being in rolls of research and development. Capable of creating stunning MVP's in record time. Looking to contribute with python-ruby backend skillset to a company impacting humankind for the better.

## WORK EXPERIENCE

### Mercadolibre

Software development analyst

(October 2021 - Present)

- Offered easy to use machine learning tools, so that data can be securely used and transformed by applying Python, Jupyter, Bash, Java & Flask.
- In partnership with 15 coworkers defined clean code strategies to reduce the need for hotfixes.
- Developed documentation for client issues & requirements to avoid repeating bugs.

### Koombea

Junior Back-End Developer

(May 2021 - September 2021)

- Conceptualized and developed server-side solutions by using the Ruby On Rails framework and best quality practices according to the client needs.
- Assisted in the troubleshooting, maintainance & documentation of APIs for a long-term project.
- Collaborated with team of six to fulfill the client requirements on web, android & iOS platform.

### Real Group Interactive

Development Engineer

(October 2018 - January 2020)

- Improved LiDAR, GPS, IMU storage & user experience by using python, QT & VTK automating the data capture process.
- Delivered the code for 4 new LiDAR products used by multiple clients in 1 year.
- Conceptualized and drafted new technologies to increase LiDAR data performance for different client needs.

## EDUCATION

### Holberton School

Full Stack Software Engineer

(January 2020 - Present)

- Fundamentals of front-end and back-end development (Git, JavaScript, Python, C, HTML),
- Currently doing a specialization on the Linux Kernel capabilities by reproducing C standard library functions, command-line tools, blockchain, advanced data structures and algorithms.

### University of San Buenaventura

Bachelor's Degree Electronic Engineering

(December 2012 - February 2017)

4.7

- Key knowledge of network communication, parallel programming, specialized in embedded programming with ASIC and FPGA solutions using VHDL, C and MatLab.

## PROJECTS

### Warehouse Management System

<https://github.com/daorejuela1/our-warehouse>

Software as a services App developed on Ruby On Rails with the MVC pattern, uses Stripe to handle subscriptions from companies, allows the clients to upload items and mark whenever someone is using then, HTML, CSS & Bootstrap on the front-end.

### Custom Shell

[https://github.com/daorejuela1/shell\\_v2](https://github.com/daorejuela1/shell_v2)

Linux advance command interpreter written in C, that executes commands that are read from the standard input by using System Calls, handles redirections and pipelines.

### Serpent Algorithm

<https://github.com/daorejuela1/serpent>

Computer Science MatLab implementation of the second finalist of the Advanced Encryption Standard (AES) contest.