

# David Felipe Niño Romero

Computer Scientist



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## EDUCATION

Bachelor of Engineering in Computer Science  
Los Andes University, Bogotá, Colombia  
August 2014 – March 2021

Relevant coursework: Data structures, design and analysis of algorithms, structural mathematics, transactional systems (databases), computational infrastructure, systems architecture, team software development.

## ACHIEVEMENTS

100th percentile in the Colombia's professional tests.

Recommendation letters from supervisors in every project I have been involved with for outstanding performance.

Certificate of excellence given in Huawei's internship for a 100 out of 100 in performance.

6th place in national school tests among 1000 students.

Valedictorian at high school.

## CERTIFICATIONS

Google Cloud Platform specialization. (March 2020, Coursera)

Stanford Machine Learning on Coursera. (July 2020, Coursera)

Deep learning specialization (October 2020, Coursera)

Complete web developer (March 2021, Udemy)

## SKILLS

Java – 3 years  
Python – 2 years  
SQL – 2 years  
JavaScript – 1 year  
MATLAB – 1 year  
Version control System: Git – 2 Years  
Agile methodology: Scrum  
Architecting  
Cloud engineering  
Unix/Linux  
Redux

## LANGUAGES

Spanish – Native  
English – Advanced (IELTS 8/9)  
French – Basic

## EXPERIENCE

### • March 2020 – December 2020

#### Undergraduate research assistant • Los Andes University

Developing machine learning models in Python to monitor sugarcane from satellite imagery using the Open Data Cube. Team of +10. Achieved an overall F1-score of 97%. (Used Linux, PostgreSQL, and Docker for deployment)

### • March 2020 – June 2020

#### Visiting Scientist • Commonwealth Scientific and Industrial Research Organisation (CSIRO, Australia)

Supporting automatization of satellite data ingestion (ETL). Open Data cube, using Python and pipelines.

### • August 2019 – December 2019

#### Undergraduate research assistant • Los Andes University

Using idle resources from computer labs to create virtual environments. Using Java, rails, groovy and VirtualBox.

### • February 2019 - July 2019

#### Project Management Office intern • Huawei

Supported the wireless infrastructure project. Developed macros in VBA that reduced a process time from 4 days to a few hours and a system for automatic labeling which reduced the process from 1 day to 5 minutes. Intern leader of a group of 6.

### • August 2018 – December 2018

#### Undergraduate research assistant • Los Andes University

Developing python scripts that reduced the time to run an analysis from 2 hours to 10 minutes. Team of 10 people. Used airflow and pipelines.

## Activities

Part of the COMIT research group at Universidad de Los Andes. We are in the process of publishing a paper: "Remote Sensing and Machine Learning Modeling to Support the Monitoring of Sugarcane Crops Investment"

Tech lead at Vongo (startup) aiming for workplace wellbeing <https://von-go.co/>

Constantly practicing to solve the Code Jam problems using C++. Goal: finish all the problems within the time limit.

Constantly taking full stack developer courses on Udemy. Using React, PostgreSQL MongoDB, Nodejs and GraphQL.

Taking a C++ concurrency in depth course on Udemy.