

David Felipe Niño Romero

Software Engineer



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EDUCATION —

Bachelor of Engineering in Computer Science
Los Andes University, Bogotá, Colombia
August 2014 – December 2020

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

ACHIEVEMENTS —

100th percentile in the Colombia's professional tests.

Recommendation letters from supervisors in both at Huawei and at my research group 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.

PUBLISHED WORK —

Lozano-Garzon, Carlos, et al. "Remote Sensing and Machine Learning Modeling to Support the Identification of Sugarcane Crops." *IEEE Access* 10 (2022): 17542-17555.

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 – 3 years
SQL – 2 years
JavaScript – 2 years
MATLAB – 1 year

LANGUAGES —

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

EXPERIENCE

• **August 2021 – Present**
Student • George Brown College. Toronto, Canada

Postgraduate certificate in mobile application development.

• **May 2021 – Present**
Software Engineer • Workera

Supporting back and frontend developments. Participated in the migration to a new clean architecture. Improved scripts from quadratic to linear time complexities for the migrations.

• **February 2021 – July 2021**
Tech Lead • Vongo (startup)

Tech lead at Vongo (startup) aiming for workplace wellbeing and shared benefits.

• **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

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.

• **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.

Activities

Taking an Elixir course for functional programming.

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

Constantly taking full stack developer courses on Udemy. Using React, PostgreSQL MongoDB, Node.js and other technologies.

Volunteer at "Reciclando ideas" where we make notebooks out of recycled material and donate them.