Roberto Andrés Alvarado Moreira

Motivated student and programmer dedicated to the study of mathematics and its applications within computer science and web development, also passionate about the new technologies, artificial intelligence, optimization methods and numerical analysis. Searching opportunities to learn and delve deeper into the world of new technological research

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Tools

Languages 🌐

Spanish ●●●●●
English ●●●●●

Programming Languages 💻

Python   ●●●●●
MySQL   ●●●●◐
JavaScript ●●●●◐
Java   ●●●●○
Latex   ●●●●○
C++   ●●●●○
Rust   ●●●○○

Developer Tools ⌨

Vim   ●●●●●
Git   ●●●●●
Figma   ●●●●◐
VSCode ●●●○○

Platforms ⚙

Linux   ●●●●●
Docker   ●●●○○
Windows ●●●●○

Frameworks y Libraries 🗄

Angular   ●●●●●
TensorFlow ●●●●◐
NodeJs   ●●●●○

Skills

Leadership   ●●●●●
Critical Thinking ●●●●●
Teamwork   ●●●●◐
Communication   ●●●◐○

Certificates

Huawei Technologies, Seed for the Future, Leadership in Engineering Bootcamp
October,2022

Professional Experience

Junior Programmer
Tecsicom
January,2022-Febraury 2023 · *Quito, Ecuador*

With a small group of programmers we were able to create a complete Angular based website for the daily operations of one of the biggest marketing companies in Ecuador

Researcher
Universidad San Francisco de Quito
June,2021-Present · *Quito, Ecuador*

Along with all my teammates in the artificial intelligence laboratory in the university, we have used neural networks to learn and create new applications for AI in our environment

Data Analysist
Ney Torres Investment Fund
May,2023-Present · *Quito, Ecuador*

In charge to analyse and work with financial datasets to assess and improve stock trading analysis

Teaching Assistant
Universidad San Francisco de Quito
June,2022-March,2023 · *Quito, Ecuador*

I have helped and collaborated with David Hervas, Math PhD, with academic activities

Education

Math Major
Universidad San Francisco de Quito
January,2019-May,2023 · *Quito, Ecuador*

Courses: Numerical Analysis, Neural Networks, Differential Geometry, Real Analysis, Stochastic Processes

Computer Science Major
Universidad San Francisco de Quito
January,2020-May,2024 · *Quito, Ecuador*

Courses: Artificial Intelligence, Databases, Computer Architecture, Java Programming, C++ Programming

Philosophy Minor
Universidad San Francisco de Quito
January,2018-May,2024 · *Quito, Ecuador*

Courses: Philosophy of Religion, History of philosophy , Process Philosophy, Platonic Dialogues

Projects

Neural Networks
Universidad San Francisco de Quito
June,2022-Present · *Quito, Ecuador*

Work inside many computer vision projects, many of them them guided by me. Learning and creating usefull applications of AI inside our world

Testors
Universidad San Francisco de Quito
August,2021-Present

Learn and participate in many projects that involve the use of testors, also known as rough sets, in order to reach better processing times by reducing the number of attributes necessary for classification processes

Palm Tree
Quito, Ecuador
January,2023-May,2023

Alongside professor Miguel Castillo from NC State University, it was possible to work with a database of the Palm Tree, to create metrics to analyse the performance of difference infrared measure devices.

Computer Vision
Quito, Ecuador
January,2023-Present

Alongside professor Julio Ibarra from USFQ, the computer vision project will try to reconstruct a face based on a photograph