

# 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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🌐 <https://github.com/Robdres>  
📍 Quito, Ecuador

## Tools

### Languages 🌐

Spanish ● ● ● ● ●  
English ● ● ● ● ●

### Programming Languages 💻

Python ● ● ● ● ●  
MySQL ● ● ● ● ●  
JavaScript ● ● ● ● ●  
Java ● ● ● ● ●  
Latex ● ● ● ● ●  
Matlab ● ● ● ● ●  
Rust ● ● ● ● ●

### Developer Tools 🗂

Vim ● ● ● ● ●  
Git ● ● ● ● ●  
Figma ● ● ● ● ●  
VSCode ● ● ● ● ●

### Platforms 🖥

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

### Frameworks y Libraries 📦

Angular ● ● ● ● ●  
TensorFlow ● ● ● ● ●  
NodeJs ● ● ● ● ●

## Skills

Leadership ● ● ● ● ●  
Critical Thinking ● ● ● ● ●  
Teamwork ● ● ● ● ●  
Communication ● ● ● ● ●

## Professional Experience

### Junior Programmer

Tecsicom

January, 2022-Present

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

### Teaching Assistant

Universidad San Francisco de Quito

June, 2022-Present

Quito, Ecuador

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

### Substitute Teacher

Colegio de Bachillerato Internacional Antonio Peña Celi

August, 2019-June, 2020

Loja, Ecuador

I was able to take part rapidly with high-school activities in order to still have a great experience in math and physics class

## Education

### Math mayor

Universidad San Francisco de Quito

January, 2018-Present

Quito, Ecuador

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

### Computer Science Mayor

Universidad San Francisco de Quito

January, 2020-Present

Quito, Ecuador

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

### Philosophy Minor

Universidad San Francisco de Quito

January, 2018-Present

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

Inside the AI Lab, I am able to be a part of many computer vision projects, many of them guided by me. I am able to learn and continue working on actual applications of AI inside our world

### Testors

Universidad San Francisco de Quito

August, 2021-Present

Quito, Ecuador

I am able to learn and participate in many projects that involve the use of testors, also known as rough sets, in order to reach better processing times