

Santiago Ochoa

+57 350 838 3858
Medellín

in sochoav
sochoav1
sochoav8a@gmail.com
EAFIT University
10th Semester – Present

Physical Engineering

Bachelor's degree program

- GPA: 4.0/5

Skills

Software & Tools: Python (5 yrs), Azure ML (3 yrs), JavaScript (React & Node.js – 3 yrs), TypeScript (2 yrs), Java (2 yrs), \LaTeX (3 yrs), Git (2 yrs), SQL (2 yrs), NoSQL (2 yrs), Django (2 yrs), Docker (2 yrs).

Modeling & Mathematics: Mathematical Modeling, Numerical Analysis, Wave Propagation

Languages

Spanish: Native

English: B2 level

Projects

CycleGAN for Super-Resolution in Confocal Microscopy

EAFIT University

Python, PyTorch

Implemented a CycleGAN architecture to enhance the resolution of confocal microscopy images, optimising performance using SSIM and PSNR metrics and addressing optical challenges in super-resolution imaging.

Work Experience

Virtualsoft Servicios & Software S.A.S

May 2025 – Present

Risk Analyst

Medellín, Colombia

- Extract, cleanse, and model high-volume transactional data to uncover fraud and credit-risk patterns across iGaming platforms.
- Designed and maintained end-to-end ETL pipelines and monitoring dashboards in Python and Azure, ensuring reliable data flow for analytics and compliance teams.

AB InBev

Jul 2024 – Jan 2025

Data Scientist

Medellín, Colombia

- Built pricing-prediction models and enhanced a Smart Discount system for regional markets, focusing on automation and accuracy improvements for El Salvador and Honduras.

Inkoms

Sep 2023 – Feb 2024

Full-Stack Developer

Medellín, Colombia

- Developed full-stack applications with Nest and Next.js, implemented clustering models with scikit-learn, and created ETLs for data analysis.

EAFIT University

Jan 2023 – Dec 2023

Machine Learning with Azure Teaching Assistant

Medellín, Colombia

- Assisted with lectures, provided practical examples and algorithmic solutions, conducted weekly office hours for 80 students, and led the final project development.

Certifications

Machine Learning

June 11, 2024

Stanford University & DeepLearning.AI on Coursera

Soft skills

Leadership	Strong leadership abilities
Teamwork	Effective collaboration skills
Creativity	Creative thinking
Adaptability	Adaptability to different situations