

JOSUÉ CASTRO RAMÍREZ

Computer Engineering Student

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📍 Alajuela, Costa Rica

EXPERIENCE

Software Development Assistant - redbioma

Instituto Tecnológico de Costa Rica

📅 Oct 2023 – ongoing

- I am currently teaching Python for Data Science at redbioma, giving classes to students from all over Mesoamerica. My strengths in the course focus on two areas: academic and administrative. I have been able to teach the basics of Python, OOP, NumPy, Pandas and GeoPandas. I have gained great experience in organizing course planning; with assignments, labs, projects, course evaluation surveys, among others.... Feel free to visit the course syllabus here: redbioma.org
- I was hired to develop a website for the redbioma project using free tools such as Jekyll and GitHub Pages so that there is a global medium to publish works, news and publicize the project. Feel free to take a look at the project at redbioma.org.

Research Assistant - ITCR Biodiversidad

Instituto Tecnológico de Costa Rica

📅 Feb 2023 – ongoing

- I am currently in the process of publishing an article in the 50th Latin American Conference on Informatics ([L CLEI 2024](#)), which deals with the course taught with the Universidad Técnica Nacional (UTN), which talks about the gender gaps in computing present in Costa Rica and how the course positively affects it.
- I was part of an inter-university project between the Instituto Tecnológico de Costa Rica (ITCR) and the UTN. I taught Python for Data Science classes to UTN students. Some of my responsibilities were preparing class material, such as presentations, homework and projects; giving master classes, among others.

Research & Administrative Assistant - LabExp

Instituto Tecnológico de Costa Rica

📅 July 2022 – July 2023

- I work on the development, research, and design of new inclusive methodologies to apply them in a [project with the Erizo Juan Santamaría](#) informal settlement, which seeks to strengthen and support the community resilience by facilitating the risk management.
- Administrative assistant at Lab Exp, working on communication and diffusion of different Lab's open source projects. Some of my common tasks are: writing news, making infographics, websites testing and many other things related to the Lab's projects.

EDUCATION

Bachelor's degree in Computer Engineering

Instituto Tecnológico de Costa Rica

📅 Feb 2020 – June 2024

📍 Centro Académico Alajuela

Portuguese Level VII

Universidad Técnica Nacional

📅 Oct 2019 – Dec 2019

📍 Sede Central

English Level XII

Universidad Técnica Nacional

📅 Aug 2015 – Sept 2015

📍 Sede Central

LANGUAGES

Spanish

Native

English

Advanced

Portuguese

Advanced

LEARNED TECHNOLOGIES

Programming languages

Python

Java

JavaScript

C

C++

Dart

Markup languages

LaTeX

Markdown

HTML

CSS

Libraries

PyTorch

NumPy

Pandas

GeoPandas

Matplotlib

Selenium Python

unittest

JDBC

JUnit

Frameworks

JeKyll

Flutter

Spring Boot

Robot Framework

Databases

SQL

MySQL

MongoDB

Google Firebase

Operative systems

Linux

Windows

REFEREES

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✉ Instituto Tecnológico de Costa Rica