

DAVID SUMBA

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EXPERIENCE

Escuela Superior Politécnica del Litoral

May 2025 – Present

Teaching Assistant - Programming Foundations in Python

- Guided students to understand core programming logic beyond specific languages, encouraging them to first solve problems conceptually and then express solutions effectively in code.
- Assisting students in mastering fundamental programming concepts and data structures essential for data manipulation.
- Graded assignments and provided constructive feedback.

Escuela Superior Politécnica del Litoral

October 2024 – January 2025

Teaching Assistant - Single-Variable Calculus

- Helped students build strong foundational understanding in calculus by emphasizing conceptual connections and showing how each topic contributes to broader mathematical thinking.
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PROJECTS

SL8.ai – Visual Debugging Whiteboard for Algorithmic Thinking ([We're still working on it](#))

July 2025 - Present

- Lead Developer - Ecuador Tech Week Hackathon Winner
- Built the product with my team in just one day, driven by a personal pain point I experienced while preparing for algorithm challenges.
- Realizing this need was likely shared by others, which sparked the idea — an example of my passion for transforming personal insights into impactful creations.

Sengicon S.A. – Professional Service Website

June 2025

- Building a modern, accessible UI using Tailwind CSS, HTML5, and JavaScript
- Ensuring responsive design and performance optimization for a seamless user experience across devices
- Laying the groundwork to evolve the service into a SaaS platform for creating custom web portfolios

Dashboard Fatalities – Interactive Data Visualization Tool

June 2023

- An interactive dashboard using **Plotly** and **Dash** to visualize fatality trends. Applied **data cleansing**, **EDA**, and **reasoning** to deliver dynamic insights via filters for **time**, **location**, and **cause**
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SKILLS & ABOUT ME

Technologies and Frameworks: Python - Javascript - HTML 5 - CSS3 - Tailwind CSS - React - MySQL - PHP - Dart

Tools: Git - Anaconda

Languages: Spanish (Native) - English (B2 ECCE) - French (A2, self learner)

Obsessed with building systems. I thrive as a documentation architect and process facilitator. I'm searching for a tribe, a real leader, and the chance to help build something meaningful from the ground up. I am in need of this industry experience.

EDUCATION

Escuela Superior Politécnica del Litoral ([Top 3 in Ecuador](#))

Expected graduation date: February 2027

Bachelor of Science, Computer Science