

Braulio Rivas Abad

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Projects

- **Influencer:** Creator of an [online marketing tool](#) (CohereAPI, Next.js, Supabase, FastAPI). Link to [website](#). **(02/2024)**
 - Developed and launched Influencer, a social media management tool that increases content creation efficiency by 5x by using Cohere's API generate endpoint to send prompts of post ideas, to later get ready-to-post articles for multiple social networks.
 - Onboarded 5 users within 1 month of launch.
 - Increased user engagement by 35% through personalized content creation and automated publishing.
 - Utilized Next.js, Supabase, Python, Cohere API, and Tailwind to build a reliable and user-friendly application.
- **Graphic Calculator:** Designed and developed a [graphic calculator](#) in python with numpy and pygame. **(08/2023)**
 - Developed a Python project focused on applying concepts of vector calculus, including projections, Taylor's theorem, vector fields, and multivariable integrals.
 - Increased user engagement by 20% through intuitive design and interactive features.
 - Facilitated learning for 30 college students, resulting in improved grades and understanding of vector calculus principles.
 - Maintained a user satisfaction rating of 4 stars based on 2 reviews from teachers.
 - Received positive feedback from users, with 25% reporting an improvement in their understanding of vector calculus concepts.

Experience

Teaching Assistant

[Superior Polytechnic School of the Litoral](#)

Guayaquil, EC

10/2023 - 02/2024

- Evaluated student workshops, comprising 30% of final grade, to ensure fair and accurate grading.
- Conducted weekly 2-hour classes and provided 1-hour consultation sessions to assist students in understanding course material.
- Assigned practice exercises to reinforce concepts in Programming Fundamentals, covering essential topics like variables, loops, files, functions, and Numpy.
- Taught Object Oriented Programming principles, including core Java concepts, polymorphism, interfaces, JavaFX, and threading, to foster advanced coding proficiency.
- Assisted students in achieving an average grade of 80+ through personalized guidance and support, enabling their successful comprehension and mastery of complex programming concepts.

Hackathons

- **Nasa Space App Challenge 2023:** [Novaterra Exoplanets](#) is an immersive Unity-based experience designed for users to craft and explore their own habitable planets beyond our solar system. **(10/2023)**
- **Vol II. Tipti Hackathon:** [Mall of the Future](#) is an immersive buying experience for customers, which solves current pain points. Additionally includes a recommendation system. **(10/2023)**
- **RIIAA 6.0 Hackathon:** [This](#) project aims to solve a simple problem, how could we predict an ecuadorian manufacturing company bankruptcy using historical data, for the 6th International Conference in Artificial Intelligence and its Applications. **(02/2024)**

Skills

- JavaScript | HTML | CSS | MySQL | Node | Express | React | Next.js | Flutter | Dart | Git
- Azure | Cloud Computing | Python | Numpy | Java | OOP | Design Patterns | Clean Code | Refactoring | Software Design
- Frontend | Backend | Full-Stack | Machine Learning

Education

Computer Science Engineering

[Superior Polytechnic School of the Litoral](#)

Guayaquil, EC

09/2022 - 09/2026

- Bachelor Degree in Computer Science Engineering from the Faculty of Engineering in Electricity and Informatics.

Awards and Certificates

- **Silver Medal:** Won Silver Medal for [Ecuadorian Informatics Olympiad](#). **(12/2021)**
- **International Informatics Olympiad:** Official member of Ecuador's Team at [International Olympiad in Informatics 2022](#) (IOI). **(08/2022)**
- **Microsoft Azure Fundamentals AZ-900:** Got Microsoft Azure Fundamentals [AZ-900](#) certificate in cloud computing. **(01/2022)**