

Joangie Márquez Aguilar

COMPUTER SCIENCE B.S. · SOFTWARE DEVELOPER

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Personal Profile

Enthusiastic Computer Science Engineering recent graduate at Escuela Superior Politécnica del Litoral (ESPOL) with a strong passion for web development, cloud computing and data science. Committed to leveraging technology to enhance lives and solve real-world problems

Skills

Languages: Native - Spanish, Fluent (C1 CEFR) - English and Basic - German

Programming: Python, Javascript, Typescript, Rust, Go and Familiarity with Java

Frontend: HTML, CSS, React, NextJS, Svelte and Sveltekit

Backend: Express, NestJS, Axum, FastAPI and Gin

Miscellaneous: Git, Pandas, Networkx, Polars, Jest, Playwright, Unittest, Numpy, ScikitLearn, Supabase, PostgreSQL, MySQL, Mongo DB, Docker, Github Actions, AWS S3, AWS Fargate, AWS Elastic Container Service (ECS), AWS Elastic Compute Cloud (EC2), AWS Relational Database Service (RDS), AWS DynamoDB, AWS ApiGateway, AWS Lambda, NGINX, HAProxy, Cloudflare, Typst, LaTeX, Figma, Adobe Photoshop, Adobe Illustrator and Redis

Education

Escuela Superior Politécnica del Litoral (ESPOL)

Guayaquil, Ecuador

B.S. in Computer Science

May, 2018 - Sept, 2023

Relevant Coursework: Web and Mobile Development, Software Engineering, Database Systems, Distributed Systems and Cloud Computing, Introduction to Data Science, Artificial Intelligence

Experience

Ab InBev Ecuador

Guayaquil, Ecuador

Independent Developer

Jan, 2024 - Present

- Developed innovative user engagement projects.
- Designed and implemented a high-efficiency Report Generator, capable of rendering PDFs within 7.0ms.

Technical Skills: Git, Rust, Tokio, Askama, Javascript, Typescript, NextJS, Sveltekit, React

Soft Skills: Communication

ESPOL

Guayaquil, Ecuador

Independent Developer

May, 2023 - Present

- Collaborated closely with a 12-person, cross-disciplinary team to develop a Flutter mobile app, enabling users to report emergencies and receive real-time alerts.
- Conducted A/B testing to achieve a 30% increase in usability metrics.
- Redesigned the app's user interface based on user feedback.

Technical Skills: Git, Flutter, UX/UI

Soft Skills: Technical Writing, Teamwork, Communication

ESPOL

Guayaquil, Ecuador

Distributed Systems Assistant

May, 2023 - Sept, 2023

- Facilitated one-on-one support during office hours, helping students grasp complex concepts in distributed systems.
- Mentored students, offering guidance and support to enhance their understanding and performance in the course.
- Evaluated assignments and exams, providing constructive feedback to aid in student development.

Technical Skills: AWS Services, Redis, Apache Kafka, API Design, System Design, Ansible, HAProxy, Nginx, Locust

Soft Skills: Communication

Datil

Guayaquil, Ecuador

Junior Developer Intern • Full time

Feb, 2023 - Apr, 2023

- Implemented new features into an invoicing system dashboard, contributing to its enhanced functionality and usability.
- Solved and addressed bugs in the invoicing system dashboard, ensuring a seamless user experience.

- Programmed comprehensive unit and integration tests for the invoicing system dashboard, enhancing its reliability and performance.

Technical Skills: Git, Django, Clojurescript, Reframe, PostgreSQL, Javascript, React, UI/UX.

Soft Skills: Teamwork, Communication.

Leadership & Service Activities

Google Developers Group Guayaquil

Guayaquil, Ecuador

Organizer

Apr, 2023 - Present

- Coordinated and directed Google Developers Group activities, efficiently managing administrative responsibilities, planning events, and evaluating overall success.

Women in Data Science Guayaquil@ESPOL 2023

Guayaquil, Ecuador

Coambassador

Jan - Jun, 2023

- Contributed to narrowing the gender gap in data science within our city through workshops that introduced women to the Kaggle platform for the Women in Data Science Datathon, conducted workshops for high school girls, and organized a successful conference as part of Women in Data Science Guayaquil@ESPOL 2023, attracting an impressive participation with over 300 registered attendees.

Web, Mobile and Data Science Technologies Research Group (TAWS)

Guayaquil, Ecuador

Academic Vicepresident

Mar, 2022 - Apr, 2023

- Achieved substantial growth and impact by spearheading workshops, fundraising, and community outreach, while also overseeing organizational activities for club development and local children's technology education.

Women in Data Science Guayaquil@ESPOL 2022

Guayaquil, Ecuador

Organizing Team

Mar, 2022 - Jun, 2022

- Served as a member of the organizing team for Women in Data Science Guayaquil@ESPOL 2022, taking the lead in coordinating workshops for high school students and contributing to the art team.

TAWS Hour of Code

Guayaquil, Ecuador

Volunteer

Apr 11, 2022

- Facilitated accessible educational materials and instructing participants in HTML, CSS, and Javascript to foster interactive learning experiences.

GDG Guayaquil's Introduction to programming with Python

Guayaquil, Ecuador

Moderator

Jun 5 - 20, 2021

- Guided, and facilitated the 'Introduction to Programming with Python' session, educating and motivating participants while also providing assistance and clarification as needed.

ESPOL's Pyweekend 4th Edition

Guayaquil, Ecuador

Mentor

Aug 17-19, 2019

- Facilitated a tutorial on data cleaning and rain prediction model implementation utilizing scikit-learn, while also addressing participants' Python-related inquiries.

Awards & Achievements

2023 Women in Data Science High Impact Ambassador Awarded as High impact ambassador for our exceptional contributions to community engagement

2022 Faculty of Electrical and Computer Engineering Excellence List Awarded a position among the top 5 students during 2021 Ordinary Academic Period 2s

2021 NASA Space Apps Challenge Global Winner Awarded in the Best Storytelling Category, our project prevailed, ranking among the top 10 out of 4,000 projects.

2020 NASA Space Apps Challenge Global Finalist Recognized with an award, our project excelled, securing a place in the top 40 out of 2,303 projects.

2020 NASA Space Apps Challenge Guayaquil City Local Winner and Global Nominee Achieved the first-place title in the NASA Space Apps Challenge Guayaquil City, securing recognition as a Global Nominee.

2019 Pyweekend 3rd edition Risk Management Category Winner Won the Risk Management Category with a program automating information bulletin generation and seismic data analysis for the Ecuadorian Secretariat for Risk Management