

Maria Carolina Aguilar Alvarado

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Professional Summary

Dedicated **information technology professional** with experience in infrastructure development projects focused on **data analysis**. With a strong background in statistics, data science, and financial modeling. Experienced in applying **quantitative techniques**, building and reviewing **financial models**, and conducting **market research** to support complex analytical projects. Passionate about advancing analytics and leveraging technology and data to drive informed decision-making.

Skills

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| ✓ Statistical Data Analysis | ✓ Data Visualization (Power BI, Tableau) | ✓ Cloud Platforms (GCP, AWS, Azure) |
| ✓ Advanced Use of Software (SPSS, R) | ✓ Database Design | ✓ Market & Technical Research |
| ✓ Google Analytics | ✓ SQL & Python | |

Work History

Data Analysis and Research Intern, Ecological Servants Project – California, USA

May 2025 – Present

- Collected, cleaned, and analyzed ecological and environmental datasets.
- Conducted technical research and literature reviews aligned with responsible investing.
- Utilized tools such as Google Ads and Google Analytics to manage campaigns and track user behavior to make data-driven decisions.

Service Engineer, Telcombas S.A. – Guayaquil, Ecuador

September 2021 – December 2024

- Developed dashboards to monitor KPIs and internal risk metrics used in decision-making.
- Conducted data analysis techniques to support decision making using SQL and Power BI.
- Automated routine reports, reducing manual workload by 40% using Python Scripts.

Full Stack Developer, BlackboxEc by Transoceanica – Guayaquil, Ecuador

March 2021 – August 2021

- Developer and maintained web applications, ensuring responsive design and performance optimization
- Designed and implemented relational databases using PostgreSQL, including stored procedures and complex queries.
- Integrated RESTful APIS and implemented authentication and authorization protocols.

Education

Bachelor's degree in Telematics Engineering (2021), Escuela Superior Politécnica del Litoral

Master's in data & analytics (In Progress), University of Niagara Falls, Canada