

Cristian David Aguazaco

Consultant

Cristian is an Electronic Engineer graduated from Universidad Distrital Francisco Jose de Caldas with knowledge and experience in data analysis, web programming and Intelligent Transport Systems (ITS). Since November 2018 he is part of Steer in the Bogota office, where he leads the Digital Intelligence team, supporting the technology strategy of this and other offices in the region.

Within Steer he has participated in the development of solutions for the capture, analysis, management and forecasting of transportation and mobility data for both public and private clients in Colombia and countries such as Chile, México, Costa Rica, and Brazil. Cristian has worked in the development of web tools for data capture and validation in infrastructure and urban transportation planning projects, focusing on providing greater security and control over data capture and reducing the time associated with its validations and consistency review, as well as the design and production of relational databases, and consulting in Intelligent Transport Systems (ITS).

Relevant Skills

Data analysis: Demand forecasting is one of the most relevant aspects for governments, road concessionaires, financial institutions and construction companies developing transportation infrastructure projects. Cristian has developed solutions for the analysis of historical traffic trends, travel patterns, travel times and demand projections in the short, medium and long term. He has also developed tools for the processing and analysis of large volumes of data in the development of urban transportation planning projects.

Web programming: Cristian has worked in the development of mobile applications for the capture and validation of origin-destination intercept survey data for transportation infrastructure and planning projects. His work has focused on stimulating the use of tools that offer greater security and control in data capture, reducing the time associated with the digitization and consistency review processes. Cristian has been involved in the development of web applications for data capture from citizen participation in urban transportation projects.

Intelligent Transport Systems (ITS): The development of modern technological solutions for data management and exploitation, as well as the expansion of new services related to transportation and mobility is an important area of study. Cristian has participated in studies of electronic vehicle collection systems (EC) in Colombia and Costa Rica, and the analysis of case studies of Intelligent Transport Systems (ITS). His major contribution in this sector was the design of the technical architecture of a Mobility Data Management Center for the Metropolitan Area of Monterrey, Mexico.

Education

Universidad Distrital Francisco Jose de Caldas, Bogota, Colombia
Electronic Engineer
2018

Years of Experience

0.5 years in Telecommunications infrastructure
5 years in Consulting

Languages

Spanish – Native
English – Intermediate

Project Summary

| | Project | Client | Year/Place | Position |
|----------------------|--|--|---------------------------|----------------------|
| Data analysis | Green Movil Operational assessment | Confidential | 2023 – Ongoing / Colombia | Consultant |
| | T&R Troncal del Magdalena 2 | Autopista del Rio Grande S.A.S | 2023 / Colombia | Consultant |
| | T&R Troncal del Magdalena 1 | Autopista Magdalena Medio S.A.S | 2023 / Colombia | Consultant |
| | Electric mobility fund Colombia | Inter-American Development Bank (IDB) | 2022 – Ongoing / Colombia | Consultant |
| | Monitoring of ZMO Fontibon S.A.S | Proparco & Financiera de Desarrollo Nacional (FDN) | 2022 – Ongoing / Colombia | Consultant |
| | Market study of E-Mobility projects in Ecuador | Inter-American Development Bank (IDB) | 2022 / Ecuador | Consultant |
| | Traffic study ALO 2022 | Concesionario ALO Sur S.A.S | 2022 / Colombia | Consultant |
| | Monitoring Electribus Bogota Fontibon S.A.S and Electribus Bogota Usme S.A.S | Proparco & Financiera de Desarrollo Nacional (FDN) | 2022 – Ongoing / Colombia | Consultant |
| | Update traffic study Tunel de Oriente | Concesion Tunel Aburra Oriente S.A | 2022 / Colombia | Consultant |
| | SP-RP Santiago – Valparaiso | Ministry of Public Works of Chile | 2022 / Chile | Consultant |
| | Traffic forecast Neiva – Mocoa – Santana | Concesionaria Ruta al Sur | 2021 – 2022 / Colombia | Consultant |
| | Traffic advisor to MVVC | Concesionaria Rutas del Valle S.A.S | 2021 – 2022 / Colombia | Consultant |
| | Market due diligence Skyrail Salvador | Inter-American Development Bank (IDB) | 2021 – 2022 / Brazil | Consultant |
| | Refinancing Santa Marta – Paraguachon | Concesion Santa Marta – Paraguachon S.A | 2021 / Colombia | Consultant |
| | Refinancing Pasto – Rumichaca | Concesionaria Vial Union del Sur S.A.S | 2021 / Colombia | Consultant |
| | Impact evaluation Troncal de Los Andes | Concesionaria del Desarrollo Vial de la Sabana (DEVISAB) | 2021 / Colombia | Assistant consultant |
| | Tebaida | Concesionaria del Desarrollo Vial de la Sabana (DEVISAB) | 2020 / Colombia | Assistant consultant |
| | Accenorte | Accenorte S.A.S | 2020 / Colombia | Assistant consultant |

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| T&R ALMA – Refinancing | Concesion Alto Magdalena S.A.S | 2019 – 2020 / Colombia | Assistant consultant |
| Update Cambao | Alternativas Viales S.A.S | 2019 / Colombia | Assistant consultant |

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|--|--|---|------------------------|----------------------|
| Web programming | Canóvanas Complete Street | Municipality of Canóvanas | 2022 / Colombia | Consultant |
| | Motorbike risk factors road safety | National Road Safety Agency | 2021 / Colombia | Consultant |
| | Logistic services Bogota – Caribbean Bogota – Cucuta | Ministry of Transportation | 2021 / Colombia | Assistant consultant |
| | Confidential | Confidential | 2020 / Colombia | Assistant consultant |
| | 4 Step Model & PMM AMVA | Area Metropolitana del Valle de Aburra (AMVA) | 2019 / Colombia | Assistant consultant |
| | PIMUS David Panama | Development Bank of Latin America (CAF) | 2018 – 2019 / Colombia | Assistant consultant |
| | Bogota Household Survey | District Secretariat of Mobility | 2018 – 2020 / Colombia | Assistant consultant |
| | Project | Client | Year/Place | Position |
| Intelligent Transport Systems (ITS) | CTAO dynamic pricing | Concesion Tunel de Aburra Oriente S.A | 2022 / Colombia | Consultant |
| | Project Confidential 23388904 | Future Cities Programme | 2020 – 2021 / Colombia | Assistant consultant |
| | San Jose – Cartago Highway (Panama Agreement) | Constructora MECO | 2020 / Colombia | Assistant consultant |
| | IP Perimetral de la Sabana – Traffic feasibility | Grupo Odinsa S.A | 2018 – 2019 / Colombia | Assistant consultant |