Curriculum Vitae

Rafael Silva

Email / GitHub / LinkedIn / Website

Employment

BI4ALL

Data Engineer/Cloud Architect | May 2022 - present

- Developed and designed an internal GCP big data framework in order to standardize and streamline processes in Google Cloud Platform projects.

- Consulting for Companies such as EDP, J&J, SECIL and Servier in Data Engineering projects

  e.g.: Spearheaded the automation of summarising telephone conversations. We achieved a significant cost reduction, bringing the cost of summarising each phone call to just 20 cents—over a 95% savings. More details.

Engineering Ingegneria Informatica Spa

Data Engineer | Jan 2021 - Apr 2022

- Designed and built an Data Product that reduced by ~70% the manual process for digitizing, computing and storing documents for some legal teams in two big companies.
- Designed and implemented near real time data pipelines to process different e-commerce, and physical stores data from multiple sources.
- Worked closely with data science teams to help build internal data science workflows.

Vallourec

Data Engineer Intern | Feb 2020 - Jan 2021

- Development and maintenance of Shiny tools capable of delivering reports and statistical models according to the demands of each area of the company's various specialized plants.

Oper

Data Scientist Intern | Feb 2019 - Feb 2020

- Development of statistical solutions from structuring, analyzing and modeling data to delivering Shiny applications.

Education

B.S in Statistics, Federal University of Minas Gerais (UFMG)

Honors and Awards

1st Brazilian Congress of Clinical Evidence at COVID-19 - (2021) : 1st Place

- Work presented at the 1st Brazilian Congress of Clinical Evidence at COVID-19, showing how the proposed score has shown excellent results compared to other existing ones and how it is simple to use and easy to interpret.

    - abc-score
    - mmcd-score

Publications (co-author)

1. Development and validation of the MMCD score to predict kidney replacement therapy in COVID-19 patients
2. Predictors of venous thromboembolism in COVID-19 patients: results of the COVID-19 Brazilian Registry
3. Chagas disease and SARS-CoV-2 coinfection does not lead to worse in-hospital outcomes
4. ABC2-SPH risk score for in-hospital mortality in COVID-19 patients: development, external validation and comparison with other available scores

Technical Degree, Eletronics Technology Federal Center for Technological Education of Minas Gerais (CEFET-MG)

Honors and Awards

XXIII META (CEFET-MG, 2013): 2nd Place - Control of parking spaces

- We developed a protoboard circuit capable of controlling parking spaces, using only logic gates/Boolean algebra. Our project also became classroom material for the laboratories of the digital electronics discipline.

Contributions

1. abc2sph
2. mmcd
3. Google Cloud - Dataproc Templates
4. solar - low tech magazine
5. ggcharts