

JULIAN ESTEBAN OLIVEROS FORERO

Systems and computing engineering

Phone:(+57) 300 355 33 91 - Email: julianestevanof@hotmail.com - [PROJECTS EXPERIENCE LINK](#)

EDUCATION

Universidad de Los Andes

June 2018 - August 2023

- Undergraduate mayor in Systems and Computing Engineering
- Academic option in entrepreneurship
- Relevant Coursework: Technology infrastructure fundamentals, Algorithm design and analysis, Transactional systems, Software architecture and design, Enterprise architecture, Business intelligence, Communications infrastructure, and Construction of mobile applications.

EPITA: École pour l'informatique et les techniques avancées

January 2022 - August 2022

- Academic exchange on the core and specialization semester of the master's degree in Data Science & Analytics.
- Relevant Coursework: Foundations of statistical analysis machine learning, Data exploration preparation, Data science in production, Data visualization, Predictive analytics data mining, Cloud infrastructure for big data, Deep learning for natural language processing.

WORK EXPERIENCE

Treinta

February 2023 - Present

Business Intelligence Analyst

- Restructured the data pipeline to improve the synchronization time between Google BigQuery and Braze by 60%, optimizing the delivery of push and phone notifications to users.
- Revamped the data pipeline to enhance synchronization time by an impressive 40% between Google BigQuery and Braze, optimizing the delivery of push and phone notifications to users.
- Deployed an ETL to retrieve Google reviews from Buckets and an API to display potential users in the app and send alerts on Slack when bad reviews are made to improve the Google Play score.
- Integrated ChatGPT API to create custom marketing communications to sell products to B2B clients.
- Utilized extensive SQL to extract actionable insights, generate comprehensive reports, and perform various data-related tasks.

Treinta

August 2022 - January 2023

Business Intelligence Intern

- Designed and created user-friendly dashboards in Power BI and Metabase to meet specific organizational needs and requirements.
- Utilized SQL and Python to develop DAGs (Directed Acyclic Graphs) using Airflow for efficient ETL (Extract, Transform, Load) processes Into the Data Lake.
- Created a Semantic layer to one of the monetized products of the company.
- Executed Slack alerts pipeline that shows information from company Data lake in order to improve companies operations.
- Created retool tools to be able to connect and query companies databases and APIs to update information.
- Developed datamarts to facilitate efficient data storage, organization, and retrieval for improved analytical capabilities and reporting functionalities.

University of Los Andes

August 2022 - Present

Software Research Assistant for Professors' Portfolio Project

- Developed and maintained the back-end of the professors' portfolio project at University of Los Andes using Typescript and Nest js, resulting in a 30% improvement in performance metrics.
- Migrated codebase to Java and Spring-Boot framework while meeting tight university constraints and integrations, reducing error rates by 20%.
- Conducted thorough software unit testing to ensure functionality and reliability.
- Integrated the software architecture, enabling seamless utilization of Uniandes Academia Oracle databases and implementing caching techniques to reduced latency and database calls by 40%

Microsoft Learn Student Ambassador

January 2021 - February 2023

Student Ambassador Beta

- Coordinated a virtual Cloud Boot-camp about Azure which lasted for 2 days, had more than 20 sessions and workshops, and attended around 200 people.
- Generated a python script that creates certificates of attendance at events and sends them by mail to their respective participant to 150 assistance's

Finance & Investment Club Uniandes

April 2021 - August 2022

Member of Capital Markets

- Planned a trading tournament for the members of the club which lasted 3 months.
- Built an algorithmic trading bot using the language MQL5 that predicts opportunities on the stock market.

Summer camp consultant

June 2021

Consultant

- Design a plan to implement the B2C distribution channel in the company to expand .

University of Los Andes

Class Monitor and Teacher Assistant

- ISIS 2403 Business Architecture. January 2021 - December 2021
- ISIS 1404 TI in the organizations June 2021 - August 2021
- Assessed students doubts related to the class concepts.
- Evaluated and qualifying workshops, home works and presentations.

TECHNICAL STRENGTHS AND INTERESTS

programming languages : Java, Python, Kotlin, Swift, JavaScript, TypeScript, HTML and CSS, SQL, No SQL.

Software : GitHub, Apache Spark/Airflow, Docker, Big Query, Mongo BD, Oracle PostgreSQL, Oracle, PostgreSQL, Node js, Postman, Spring-Boot, Nest Js, Power BI, Metabase, Tableau, Dash, Matplotlib, Spreadsheets, AWS, Retool

Soft-Skills : Organized, Time management, Compromised, and Teamwork.

Languages : Spanish (native), English (IELTS Band Score 6), French (Basic).

Interests : Finance, Web and mobile development, Data Science, Blockchain, AI.

COURSES

- Apache Airflow Fundamentals Course, Platzi March 2023
- Prompt Engineering course with ChatGPT, Platzi April 2023
- Spark Fundamentals for Big Data Course, Platzi May 2023
- GBI Blockchain Academy, Global Blockchain Initiative Jan - May 2022
- AI For Everyone, Coursera (Deeplearning.ai) June - July 2020
- Neural Networks and Deep Learning, Coursera (Deeplearning.ai) June - July 2020

ACHIEVEMENTS

- Attained the third place on EPITA python Week competition
- Honored for best software project of the semester in Software Development class of 2021-1

PUBLICATIONS, CONFERENCES AND SEMINARS

- Oliveros, J., Sanchez, J.(2023). Artificial Intelligence Techniques Applied to Cryptocurrency Market Prediction.