

JULIAN ESTEBAN OLIVEROS FORERO

Systems and computing engineering

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EDUCATION

Universidad de Los Andes

June 2018 - August 2023

- Undergraduate mayor in Systems and Computing Engineering : (GPA: 4/5)
- 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, and French classes.

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.
- Implemented clustering algorithms to establish control and test groups for seamless feature deployment.
- 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

- Designed Entity-Relationship Diagrams (ERDs) for the professors' portfolio architecture.
- Developed and supported the back-end of the professors' portfolio project at the University of Los Andes. Initially, Typescript and Nest js framework were used. However, due to university constraints and integrations, the code was later moved to Java and Spring-Boot framework.
- Conducted thorough software unit testing to ensure functionality and reliability.
- Implemented the MVC software design pattern.
- Integrated the software architecture, enabling seamless utilization of Uniandes Academia Oracle databases.
- Created views and databases in Oracle databases to match with the back end models.

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.
- Organized a virtual event to teach 20 kids about programming using scratch.
- 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 a algorithmic trading bot using the language MQL5 that predicts opportunities on the stock market.

Summer camp consultant

June 2021

Consultant

- Attended to Summer camp in which, for 4 weeks, I was able to reinforce my knowledge by building solutions that generate value for Colombian companies that have been affected by the COVID-19 pandemic.
- Design a plan to implement the B2C distribution channel in the company.

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 : Jet Brains IDEs, GitHub, VS Code, Lucid Chart, Spreadsheets, Mongo BD, Oracle PostgreSQL, Mongo BD, Oracle, PostgreSQL, Node js, Postman, Spring-Boot, Nest Js, Power BI, Metabase, Tableau, Dash, Matplotlib, Spreadsheets, Apache Spark/Airflow, Docker, Big Query, Microsoft Azure, 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 2020 First semester

PUBLICATIONS, CONFERENCES AND SEMINARS

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