

Juan José Restrepo Rosero

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PROFILE

I am a trilingual Electronics Engineer with a major in Mechatronics and a minor in Computer Science from the Javeriana University in Cali, Colombia. Highly interested in software development, Machine Learning, robotics and automation. I am a committed, responsible, dedicated and persistent person. Great ability with numbers, multicultural teamwork and motivated to learn new things and approach challenges with a positive and creative thinking.

EDUCATION

Pontificia Universidad Javeriana Cali, Department of Electronics and Computer Science.
Master's Degree in Data Science, July 2024 - In Progress

Santiago de Cali, CO

Department of Electronics and Computer Science.
Bachelor of Science in Electronics Engineering, January 2019 -April 2024
Cumulative GPA: 3.69/4.00

Southern Lee High School

Sanford, NC, USA

Foreign Exchange Student,High School Diploma, August 2017 - June 2018
Cumulative GPA: 3.70/4.00

San Antonio María Claret

Santiago de Cali, CO

High School Student, September 2011 - June 2017
Cumulative GPA: 3.80/4.00

SKILLS

Laboratory: Diodes, Transistors, Capacitors, Inductors, Resistors, Sensors, Integrated Circuits, Microcontrollers, PLC, Oscilloscope.

Software: Salesforce Apex, Python, Java, JavaScript, NodeJS, VBA, VB .Net, GitHub, NET, REST API, C#, C/C++, R Studio, Neo4j, SQL, Linux – Ubuntu, UiPath, MATLAB - Simulink, NI Multisim, SolidWorks/SolidWorks Electrical, Ladder PLC, Microsoft Office, Jira, Scrum.

Languages:

Spanish: Native English: TOEFL Ibt (C1) German: Goethe-Zertifikat (B1) French: Basic (A2)

PROFESSIONAL EXPERIENCE

Veevart – DevOps Engineer: December 2024 - Present

- Designed, implemented, and maintained architectural enhancements across multiple products, driving innovation, automating development workflows, and streamlining solutions with Python, Bash, Apex (Salesforce), Java, and JavaScript. Led the planning and execution of application releases, enforcing robust version control and ensuring compliance with the highest quality standards.

Holcim ABS - Electronic Engineering Intern: July 2023 - January 2024

- Intern in the Strategy and Performance area (S&P). My functions consisted of the analysis, development and deployment of RPA Scripts using UiPath, C#, JavaScript, VB.NET and Excel Macros on the Google Apps Scripts suite.

Pontificia Universidad Javeriana Cali, Laboratory Practices Monitor/Assistant: August 2022 - November 2022

- My duties consisted of assisting students during the design, simulation, assembly and testing of electronic circuits composed of resistors, capacitors, diodes and transistors. Subject: Physics of Electronic Devices.

PROJECTS

Football Predictor: November 2022 – April 2024

- In this project, a data science application was carried out to predict the winner of the 2022 FIFA World Cup, as well as the Euro and Copa América 2024, using data collection techniques, such as Web Scraping, for collecting the match records. In addition, data cleaning tasks were carried out and a predictive model was developed in Python to anticipate the results of each of the tournaments.

Improvement of the control, monitoring and data traceability process of a flexible manufacturing cell using a graph-oriented database: July 2022 – January 2024

- Degree thesis, in which an information system is designed that allows the control and traceability of a flexible manufacturing cell through a graph-oriented database and a visualization application is also developed where the reports and system indicators.

Process Optimization through Chatbots Integrated in the Google Suite: August 2023 – December 2023

- In this project, a Chatbot will be implemented within the Google suite, which will allow employees from all areas to access documentation quickly and easily, reports, among others using specific keywords or codes in queries of what is desired to obtain, thus improving the operational efficiency of the company in the management of critical information.

Chelsea Challenge 2023: June 2023 - June 2023

- For two weeks, together with the Pontificia Universidad Javeriana Cali, Brunel University London, Pontificia Universidad Javeriana Bogotá, Design Factory London and Design Factory Javeriana Bogotá and Cali, we worked to provide attractive and innovative solutions applying the Design Thinking methodology to increase participation Fan Engagement and ROI around the 2023 FIFA Women's World Cup.

Professional Integration Project (PIP), Javeriana University - Norgas: February 2020 - December 2022

- Measure and report the level of LPG gas remaining in a cylinder for commercial use in order to let both the user and the company know the amount of LPG remaining and thus improve logistics processes and the user-company relationship.

Design and evaluation of the response of different control designs: September 2022 - November 2022

- Design and compare the response of different Controls such as the Cascade, Feedforward and Feedback at the Drinking Water Treatment Plant (DWTP) to keep an adequate amount of chlorine in the water of the aqueduct system of the Javeriana Cali University using MATLAB - Simulink.

REFERENCES

Carol Villar

Director Network Engineering

Claro Enterprise Solutions

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