

CURRICULUM VITAE – ANDY JAVIER BONILLA SILVA

PERSONAL INFORMATION

Andy Javier Bonilla Silva
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PROFESSIONAL OBJECTIVE

I am an Electronics Engineer with solid experience in programming microcontrollers, microprocessors, and programmable logic controllers (PLCs). I have worked in the design and manufacturing of printed circuit boards (PCBs) and power circuit design. Additionally, I have extensive experience in data engineering, including database design, creation and maintenance of ETL processes for large-scale datasets, and working with tools such as Python, SQL, Impala and Sybase DB services. I am also eager to keep learning and exploring new technologies as I grow in my career.

EDUCATION

Electronics Engineering(Graduate),
Universidad del Valle de Guatemala (Guatemala)

EXPERIENCE

Data Engineer in AML/CFT Risks, Banco Agromercantil de Guatemala *May 2024 - Present*
Design, build, and maintain efficient and secure data storage and processing systems, ensuring the availability and integrity of information for analysis and data science purposes.

Data Analyst in AML/CFT Risks, Banco Agromercantil de Guatemala *August 2023 - May 2024*

Collect, clean, and analyze data to identify patterns and significant trends, interpreting results and communicating findings to stakeholders through reports, presentations, and dashboards.

Hardware Engineer (Internship Contract), Bitmec Healthcare Ltd. *June - August 2023*
Designing, manufacturing, soldering, and testing of printed circuit boards (PCBs) for medical instrumentation.

SKILLS

Operating systems: Windows, Unix and Linux.

Programming languages: C, C++, SQL, Python

Office softwares: Microsoft Office, Open Office, LaTeX.

Scientific softwares: Matlab, Mathematica, NI LabVIEW.

Data engineering: Database design, ETL, Python, SQL, Impala and Sybase DB services.

Languages: Spanish (Native), English (B2), German (A1)

ADDITIONAL ACTIVITIES

Data Analysis with Python, Free Code Camp *June - 2023*
Virtual course

Robotics teacher, UNESCO Center for Peace (UCP) *January - 2023*
Virtual camp

Introduction to Data Science: Statistical Programming with R, UNAM *June - 2022*
Virtual Course

AWARDS

High Academic Performance Student *2020, 2021, 2022, 2023, 2024*
Universidad del Valle de Guatemala

Second place *2021*
Second place in Interdepartamental Innovation Rally for my Community by Science & Technology National Secretary (SENACyT).

PERSONAL REFERENCES

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