Pablo X Zumba

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pzumbap.github.io

EDUCATION

- **Master of Science in Business Analytics and Information Systems**
  - University of South Florida, Tampa FL   2023
- **Bachelor of Engineering in Electronics and Telecommunications**
  - Universidad Politecnica Salesiana, Cuenca-Ecuador   2016
- **Associate in applied science, Biomedical Service Technician: Clinical Engineering**
  - Bates Technical College, Tacoma WA   2018

TECHNICAL SKILLS

Programming Languages: HTML, CSS, JavaScript, PySpark, Python, R, SQL (SQLite, MS-SQL Server, MySQL); NoSQL (Cassandra DataStax, Impala).

Frameworks and API: Databricks, Snowflake, Flask, Google Big Query, Chart js, Microsoft Machine Learning Studio, Cloudera.

Software Tools: Tableau, Power BI, Wireshark, Jupyter, MS Office, Git & GitHub, Draw io, VS Code, DB Browser.

Statistical proficiencies: Descriptive and Inferential Statistics in R and Python; Excel (VLOOKUP and Pivot Tables).

Python Libraries: TensorFlow, Scikit-learn, Keras, Pandas, Matplotlib, NumPy, SciPy, Seaborn, BeautifulSoup.

Cybersecurity: Risk management, security best practices, Security law/ethics, and secure software development and testing.

Core Competencies: Design advanced systems processes using UML and OOP. Identifying IT-related product lifecycle challenges, depth case analysis and communication, managing technology-focused businesses, and presenting data analytics projects.

ACADEMIC PROJECTS

MLB Attendance Prediction Project: Developing machine learning algorithms in Databricks - Apache Spark for the 2016 Baseball Season to improve profitability. Highest Accuracy Model ~83%

Inmates reintegrate program database design: Database design, development, and implementation for an inmate reintegration program using draw.io and Microsoft SQL Server.

Intelligent Tourist Website: Developed a website using HTML5, CSS3, and JavaScript to suggest tours and excursions in groups based on the preferences of solo travelers.

Causes of Divorce in the US: Created a thorough report on the reasons for divorce in the United States using SQLite, R-Studio, Python, and Tableau. The purpose was to help a psychologist concentrate on significant factors during marital therapy.

WORK EXPERIENCE

Biomedical Service Technician | Crothall Healthcare, Tampa FL | March 2022 – Present

- Tracking, monitoring, and analysis of work orders and incidents in CMMS software.
- Support, assist, and perform preventive maintenance on Stryker ICU beds and stretchers, increasing the KPI for the Clinical Engineering department by 25% from March 2022 to the present.

Electronic Technician II | Philips Invivo, Gainesville FL | April 2021 March 2022

- Increased team line-production productivity by 20% since April 2021 through meticulous assembly, soldering, and calibration of MRI modules while adhering to Philips/Invivo and IPC standards.
- Data analysis of electromagnetic units through network analyzers, oscilloscopes, and multimeters.

Field Service Technician | NuCO2, Ocala FL | January 2021 – June 2021

- Install, troubleshoot, and perform preventative maintenance on CO_2 sensor systems following NuCO2 policies, guidelines, and procedures in the North Central area of Florida. Assisting up to six businesses per day.

Field Service Engineer | Nautilus Hyosung USA, Seattle WA | October 2018 – January 2020

- Provide installation, loading of software, and on-site technical support for ATMs throughout the greater Seattle area, assisting ~10 sites per day.
- Training banking staff on ATM use through technical assistance.

ACCOMPLISHMENTS

- Google Data Analytics Professional Certificate – 2021: Mastered data analyst skills and tools including data cleaning, analysis, and visualization via SQL, R programming, and Tableau. Adept at presenting data findings through dashboards and various visualization platforms.
- Distinguished as a top-performing student and member of two prestigious honor societies: Beta Gamma Sigma (ΒΓΣ) for business excellence and Phi Theta Kappa (ΦΘΚ) for outstanding academic achievement in associate degree programs.
- Received All-Washington Academic Excellence Team Award for being one of the top three students at Bates Technical College in 2018.
- Published research paper, "Analysis of the Optimal Trajectory in Weightlifting: Snatch Style," in the 2015 CHILEAN Conference on Electrical, Electronics Engineering, Information and Communication Technologies (CHILECON) | DOI: 10.1109/Chilecon.2015.7400379
- Published research paper, "Chromatic Dispersion Analysis in a WDM-PON Network Using FBG Compensators," in IEEE Latin America Transactions | DOI: 10.1109/TLA.2016.7555260