

**Pablo X Zumba**  
pzumbap@gmail.com  
Tampa, FL

## 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:** Spark, Python, R, SQL (SQLite, Microsoft SQL Server, MySQL) NoSQL (Cassandra, Hive, Pig, Impala), HTML, CSS, JavaScript.  
**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, Canva.  
**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.

## WORK EXPERIENCE

---

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

- Tracking, monitoring, and analysis of work orders and incidents in CMMS software.
- I maintain Stryker ICU beds and stretchers at Advent Health Tampa Hospital, improving the Biomedical team's KPI by 25% since March 2022.

### 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 CO2 sensor systems following NuCO2 policies, guidelines, and procedures in the North Central area of Florida.

### 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.

## 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.

## ACCOMPLISHMENTS

---

- 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
- Google Data Analytics certificate – 2021