Alejo Alegre Bustos

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Summary

Data Science student passionate about machine learning, data analysis. and automation. Our continuous learning and dedication unlock true potential

Education

Bachelor's Degree in Data Science   September 2021 - December 2026
Brigham Young University - Idaho   Rexburg, Idaho

- Minor in Computer Science
- Certificate in Machine Learning
- Convolutional Neural Network: Image classification of agricultural pests using custom dataset (92% accuracy)
- Neural Network: Prediction of student performance based on socio-academic data
- XGBoost: Credit risk assessment with feature importance via SHAP and hyperparameter optimization
- Recurrent Neural Network: Next-word prediction model trained on Friends TV show transcripts

Work Experience

Associate 2   January 2023 - February 2024
The Church of Jesus Christ of Latter-day Saints   Buenos Aires, Argentina

- Pursued initiatives to streamline and improve treasury operations, it include automating financial reporting processes, developing of models to prevent errors, and creating macros and bots to enhance operational efficiency
- Performed data analysis to improve decision-making speed by replacing 1-hour report preparation with a live dashboard, while creating interactive financial dashboards accessed by users across all departments
- Experienced in various tools and languages, including Power BI, VBA, Python, JavaScript, and low-code platforms such as Power Automate
- Provided a daily summary of completed tasks to superior, organized by priority level and overall impact

Associate   November 2021 - January 2023
PWC - Argentina   Buenos Aires, Argentina

- Specialized in programming with VBA, Python, Google Apps Script, JavaScript, and low-code platforms such as UiPath
- Focused on process automation and data analysis, from simple data collection macros to complex bot development projects
- Performed data analysis and visualization using Microsoft Power BI, applying Extract, Transform, Load (ETL) best practices
- Designed and implemented a policy recognition and decoding model using Python, Tesseract, and OCR, enabling automated extraction and processing of key information from scanned and digital documents
- Provided a daily summary of completed tasks, to superior and client, organized by priority level and overall impact

Technical Skills

- Programming & Scripting: Python, SQL, VBA, DAX, HTML, CSS, UNIX Shell, Google Apps Script
- Data Analysis & Visualization
- Pandas, NumPy, scikit-learn, Matplotlib, Seaborn, ggplot, Power BI, Tableau (calculated fields, LODs), XlsxWriter, Openpyxl
- Machine Learning & Deep Learning
- scikit-learn, XGBoost, Keras, CNNs, RNNs, Neural Networks, Tesseract, OCR
- Power Automate, UiPath, Selenium, pyautogui, os, re
- Document & Text Processing
- pdfplumber, Tesseract OCR, re
- Git, GitHub