Paolo A. Poémape

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EDUCATION

Brigham Young University – **Marriott School of Business**

Master of Information Systems Management – Integrated Program

▪ GPA: 3.72

▪ Specialized Courses: Programming in C++, Data Structures, Object-Oriented Programming, Embedded Computer Systems, Database Management, Web Programming.

Austin Community College

Data Science Certificate

▪ Specialized Courses: Scientific Python, Database Programming PL/SQL, Advanced Programming Python

EXPERIENCE

Technical Program Manager/Data Scientist   April 2022 - Present

Applied Materials - Global Manufacturing Training Institute   Austin, TX

▪ Created and deployed Tableau dashboards to provide actionable information for executives and managers on the clean room to increase status visibility and reducing manufacturing errors by 30%

▪ Built ad-hoc SQL reports for stakeholders and project managers, reducing wait times between business units from 2 days to 4 hours

▪ Developed NLP sentiment analyzer program using NLTK, Numpy, and Matplotlib to understand results on the efficiency of our AR/VR training software program

RPA Developer Intern   Jan 2022 – April 2022

Applied Materials - Global Information Systems   Remote

▪ Worked on different projects using different technologies including Tableau, UIPath, and SQL

▪ Worked on an Incident and Problem report, built a Tableau dashboard to give the team faster access to the current ticket system, reducing incident resolution time from 20 minutes to 5 minutes.

▪ Used Hive and Hadoop to query data to create ad-hoc SQL reports to provide KPIs for current projects resulting in 34% increase in project delivery speed

Business Intelligence Developer   Jan 2020 – Feb 2022

BYU Office of Information Technology   Provo, UT

▪ Met with clients to better serve their needs and implement features on Tableau dashboards

▪ Implemented Python scripts to scrape data from csv files to increase load speed by 70% and added retrieved data to Tableau dashboards

▪ Used different data lake services such as Dremio and Oracle to validate data to increase data accuracy by 50%

PERSONAL PROJECTS

Petomatic – The new door for your pets

▪ Provisional patent with filing date 12/24/2021.

▪ Researched market size, main competitors, and read existing products already on the market to plan a potential entrance strategy within the niche market of pet doors

▪ Researched pain points in the pet door industry to understand competitive advantage on design and technologies

▪ Designed and built a prototype using a raspberry Pi, an Arduino WeMos DI, raspberry camera module, proximity sensor, and home-assistant IO

▪ Used SMTP library to feed a local website, built on using Apache Web Server, to take and save the most recent picture and send the picture using the built-in function from the IFTT messaging application

SKILLS & ACHIEVEMENTS

▪ Knowledge of Tableau, SQL, PowerShell, HTML & CSS, VBA, C++, Arduino, Python, PHP, Version Control, Github, MySQL, AWS, Azure, Numpy, Pandas, Java, Android Studio, Swift, Hive, Hadoop

▪ Native Spanish speaker