Joao Vitor Ferreira

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EDUCATION

Clark University Graduate School of Management – Worcester, MA   Aug 2023 – Aug 2024
Master of Science in Business Analytics (MSBA) / GPA: 4.00 (Current)

Augusta University – Augusta, GA   Aug 2015 – May 2019
Bachelor of Business Administration in Finance / Minor in Economics / GPA: 3.74
- Inducted into Beta Gamma Sigma (Business Honor Society)

EXPERIENCE

TopBuild Corp. (BLD) – Daytona Beach, FL   May 2024 – Aug 2024
Data Analyst Intern
- Automated data collection for public construction data using a Python script and Census API.
- Created an interactive Power BI report leveraging slicers and bookmarks to facilitate report navigation by Senior Leadership.
- Collaborated with the Finance department to gather requirements for automating Excel-based reports.
- Developed and published a semantic model for new residential construction data in Power BI service.

TopBuild Corp. (BLD) – Daytona Beach, FL   Jan 2022 – Aug 2023
Financial Analyst - FP&A
- Managed Income Statements for 11 Mergers and Acquisitions using Excel, extracting data via OneStream.
- Coordinated with over 120 branch managers to monitor and report Residential Insulation Units and Sales.
- Developed an Excel report for C-suite to track regional performance based on residential insulation units.
- Consolidated data from three databases for quarterly 10-Q and 10-K revenue reporting by product line.
- Assisted the VP of Investor Relations to equip Senior Management with accurate information for quarterly calls.
- Analyzed monthly housing metrics from Census and other sources, enhancing managerial insights.

Arthur J. Gallagher & Co. (AJG) – Brownsville, TX   Nov 2019 – Jan 2022
Pricing Analyst
- Led 12 software change requests, improving system functionality, and overseeing quality tests.
- Identified and coordinated the resolution of 30+ system issues in collaboration with IT.
- Assisted in implementing 4 rate changes, to ensure rate competitiveness, sustainable growth, and compliance.
- Crafted a Tableau report to validate in-system pricing, decreasing turnaround time by 35%.
- Automated data collection processes using Python and Selenium, reducing data acquisition time by 90%.
- Utilized advanced Excel functions to generate custom reports directed to senior management.

PROJECT

Salary Prediction for Software Developers in the US   Sep 2023 – Nov 2023
Clark University
- Analyzed the 2023 Stack Overflow Survey data from 89K+ developer responses to pinpoint key salary factors.
- Assessed how coding skills and software knowledge impact salaries.
- Found that combining education and coding experience into a novel variable improves salary prediction.
- Attained 39.7% accuracy in salary prediction using Linear Regression, as indicated by the Adjusted R-Squared.

SKILLS

- **Tools and Software:** Python, SQL, Tableau, Power BI, Excel/Google Sheets, Jira, OneStream
- **Languages:** Fluent in English, Portuguese, and Spanish (written & oral)

CERTIFICATES

- **PCEP – Certified Entry-Level Python Programmer** | Open EDG | November 2023
- **IBM Data Science Professional Certificate** | Coursera | October 2021
- **CS50x Intro to Computer Science - Harvard** | EDX | October 2020