Jose Tristan Maria Silerio

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EDUCATION

College of the Holy Cross   **Worcester, MA**
Bachelor of Arts, Computer Science and Mathematics
Honors: Pi Mu Epsilon **-** the National Honor Society in mathematics – elected to Holy Cross's chapter
Leadership: Co-Chair, Pinoys of Worcester (POW); Co-Founder, HC Climbing Club; Data Entry, Adv. Office

RELEVANT SKILLS

Backend: Python (scikit-learn, pandas, numpy, plotly, selenium), Java, MATLAB, C++, Ruby, NodeJS, NextJS
Frontend: HTML, JavaScript, CSS, ReactJS,
Databases: MySQL**,** Microsoft SQL Server
Tools: Tableau, Excel (formulas, pivot tables, VBA), Git, Visual Studio, Microsoft Office, CentralReach
 Relevant Coursework: Artificial Intelligence, Computer Networks, Databases, Programming Languages, Data Structures, Algorithms, Computational Network Theory, Number Theory

WORK EXPERIENCE

May Institute   **Randolph, MA/Remote**
Data Analyst, Quality Improvement & Clinical Informatics Teams   *Mar. 2024 - Present*
- Managed and maintained 20+ Tableau dashboards, enhancing real-time insights for quality improvement, compliance metrics, and operational efficiency.
- Cleaned, transformed, and prepared large datasets using Excel, Python, and SQL to ensure data integrity for Tableau reporting and executive decision-making.
- Designed and led survey analysis for senior leadership, utilizing Excel and Tableau to deliver data-driven insights to C-level executives and VPs.
- Developed interactive 5 Tableau dashboards to track clinical performance, patient outcomes, and operational efficiencies, aligning with stakeholder needs.
- Collaborated cross-functionally with clinical teams and leadership, providing data-driven insights through reports, visualizations, and automated scripts to support continuous quality improvement initiatives.

Central Rock Gym   **Stoneham, MA**
 Desk Staff   *Sept. 2023 - Mar. 2024*
- Managed membership and CRM platforms to track sales, customer data, and program metrics, analyzing trends to optimize offerings and improve user satisfaction through data-driven insights.

GW&K Investment Management   **Boston, MA**
Investment Management & IT Intern   *Summer 2022*
- Analyzed portfolio risk and performance data to model investment outcomes. Identified and escalated data inconsistencies for resolution.
- Collaborated with cross-functional teams including Operations, Wealth Management, and IT to streamline data management processes and accurately track key performance metrics, meeting with each team daily.
- Utilized Python data science packages to create interactive visualizations from datasets of 10,000+ entries, providing insights for strategic decision-making in wealth management.
- Created and implemented 3 SQL stored procedures allocating trading data for system architect

PROJECTS

Personal News/Headlines Bot (Python - News API, email)
- Developed a Python-based automated news bot using the News API, SMTP, and SSL to fetch and email daily top headlines, streamlining personal news consumption.

Location Analysis for a new office (Python – pandas, numpy, bokeh) – GW&K Investment Management
- Utilized predictive modeling techniques to determine cities likely to experience high median incomes, and provided insights for potential new office locations.