Jose Tristan Maria Silerio

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EDUCATION

College of the Holy Cross   **Worcester, MA**
Bachelor of Arts, Computer Science & Mathematics
Honors: Pi Mu Epsilon **-** the National Honor Society in mathematics – elected to Holy Cross's chapter

RELEVANT SKILLS

Backend: Python (scikit-learn, pandas, numpy, scipy, plotly), 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**
Data Analyst, Quality Improvement & Clinical Informatics Teams   *Mar. 2024 - Present*
- Maintained and updated 20 Tableau dashboards to provide real-time insights for quality improvement and compliance metrics, improving decision-making and operational efficiency
- Supported data preparation for Tableau reports by cleaning, formatting, and pivoting large datasets in Excel, ensuring data integrity and consistency for reporting purposes.
- Collected and analyzed data for weekly and monthly team meetings, providing actionable insights and trends to support continuous quality improvement initiatives.
- Led the design, development, and analysis of a comprehensive survey sent to directors and above, utilizing Excel for data cleaning and Tableau for visual analysis to present findings to C-level executives and VPs.
- Produced detailed reports and visualizations for executive leadership, ensuring that actionable insights were presented in a clear and accessible format to drive organizational improvements.
- Developed and implemented 4 interactive dashboards in Tableau to track clinical performance, patient outcomes, and operational efficiencies.
- Wrote and optimized 3 Python scripts (in Jupyter) for data processing, automation, and analysis, improving the team's ability to quickly generate insights and reports.
- Cleaned, transformed, and loaded large datasets into Microsoft SQL Server databases as part of the ETL process to ensure data was ready for Tableau reporting.
- Collaborate cross-functionally with clinical teams to understand data requirements, ensuring that dashboards and reports met the needs of various stakeholders.

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 for the wealth management team using datasets of over 10,000 entries, providing insights to make strategic business solutions and decisions.
- Created and implemented 3 SQL stored procedures allocating trading data for system architect