

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

RELEVANT SKILLS

Backend: Python (scikit-learn, pandas, numpy, plotly, selenium, PyTorch), Java, C++, 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

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 daily with cross-functional teams, including Ops, Wealth Management, IT, and Capital Markets, to streamline data management processes and accurately track performance metrics
- 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 to allocate trading data for the system architect

PROJECTS

Automated News Notification Bot

Technologies: Python, News API, SMTP, SSL, Email Automation

- Developed an intelligent news aggregation system that automatically fetches, filters, and delivers personalized daily headlines via email, demonstrating proficiency in API integration and automation

Location Analysis for Strategic Expansion

Technologies: Python, pandas, numpy, bokeh | *GW&K Investment Management*

- Built predictive models analyzing demographic data to identify high-growth cities for new office locations, delivering strategic recommendations through data visualization