

Jose Tristan Maria Silerio

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EDUCATION

College of the Holy Cross

Worcester, MA

Bachelor of Arts, Computer Science & Mathematics

GPA: 3.5/4

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

Frontend: HTML, JavaScript, CSS, ReactJS

Databases: MySQL

Tools: Excel (formulas, pivot tables, VBA), Looker, Tableau, Git, Visual Studio, Microsoft Office

Relevant Coursework: Artificial Intelligence, Computer Networks, Databases, Programming Languages, Data Structures, Algorithms, Computational Network Theory, Number Theory

WORK EXPERIENCE

Central Rock Gym

Stoneham, MA

Desk Staff

Sept. 2023 - Present

- Managed membership platform tracking sales, customer, and program data; analyzed metrics to uncover usage trends and opportunities to optimize offerings.
- Administered Customer Relationship Management (CRM) system centralizing visitor information and engagement analytics; identified key areas to enhance user satisfaction scores through data-informed recommendations.

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

Ronald McDonald House Charities of New England (RMHCNE)

Remote

Finance & IT Intern

Summer 2021

- Streamlined recurring accounting activities by setting up memorized transactions and automating reconciliations, resulting in a time savings of 15 hours per week.
- Developed Excel models to automate revenue recognition, expense reporting, and bill pay practices, reducing errors by 90% and increasing efficiency by 25%.
- Provided expert advice on databases and software systems, assisted team members with troubleshooting issues, and reduced IT support tickets by 30%.

PROJECTS

Location Analysis for a new office (Python – pandas, numpy, bokeh) – GW&K Investment Management

- Conducted thorough data analysis using Python data science libraries to identify trends in population change and growth across the United States; Utilized predictive modeling techniques to determine cities likely to experience high median incomes, and provided insights for potential new office locations.

Cloud Storage System (Python, HTML, JS, CSS)

- Implemented a centralized storage system with improved data access and reduced data loss; Incorporated HTTP network protocols for seamless communication between servers, reducing server downtime by 20% and increasing overall system uptime by 15%.
- Designed clear and concise HTML redirect pages to display critical file location and size information.