Jose Tristan Maria Silerio

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EDUCATION

College of the Holy Cross   **Worcester, MA**
Bachelor of Arts, Computer Science & Mathematics   *May 2023*
Honors: Pi Mu Epsilon **-** the national honor society in mathematics – elected in Holy Cross's chapter

RELEVANT SKILLS

Backend: C++, Java, Python (scikit-learn, pandas, numpy, scipy, plotly), Ruby
Frontend: HTML, JavaScript, CSS
Databases: MySQL
Tools: Git, Microsoft Office, VSCode, AWS, Docker, Latex, Windows, macOS, Shell (bash), vim, GoogleCloud
Relevant Coursework: Artificial Intelligence, Computer Networks, Databases, Programming Languages, Data Structures, Algorithms, Computational Network Theory, Number Theory

WORK EXPERIENCE

GW&K Investment Management   **Boston, MA**
Investment Management & IT Intern   *Summer 2022*
- Conducted in-depth analysis of potential equity investments using financial modeling techniques, resulting in a comprehensive recommendation report that informed senior investment managers' decision-making.
- Collaborated with cross-functional teams including Operations, Wealth Management, and IT to streamline data management processes and ensure accurate tracking of key performance metrics.
- Utilized Python data science packages to create interactive visualizations of wealth management team and big data, providing insights for strategic business solutions and decisions.
- Created and implemented SQL queries for the system architect to use when allocating trading data.

Ronald McDonald House Charities of New England (RMHCNE)   **Remote**
Finance & IT Intern   *Summer 2021*
- Streamlined the recurring accounting activities for the company 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, assisting team members with troubleshooting issues and reducing 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, providing 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 information about file location and size.

LEADERSHIP & SERVICE

Pinoys of Worcester (POW)   **Worcester, MA**
Co-Chair, E-Board Member   *Spring 2022 – Spring 2023*
- Planned and executed multiple engaging events per semester, increasing club membership over the year.
- Collaborated with different cultural organizations to promote diversity on campus.

Holy Cross Climbing Club   **Worcester, MA**
Co-Chair, Co-Founder   *Fall 2022 – Spring 2023*
- Coordinated weekly rock climbing events with an attendance of 15+ members
- Provided instruction to climbers of all experience levels, promoting skill progression.