Maria Martinez Barco

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SUMMARY

Detail-oriented Information Systems major with practical experience in programming, database management, and cybersecurity. Proficient in Python, Java, SQL, and cloud-based collaboration tools. Skilled in analyzing and managing large datasets, building applications, and supporting secure technology environments. Adept at working both independently and on cross-functional teams to deliver tech-driven solutions.

EDUCATION

University of Texas at Arlington, Arlington, TX   - Bachelor of Science in Information Systems
Expected: May 2026 | GPA: 3.53

- Introduction to Programming: Python, object-oriented programming, file handling, graphical user interfaces
- Database Management Systems: DBMS, SQL, Oracle, relational database design, implementation
- Advanced Application Development: Java, OOP, encapsulation, inheritance, polymorphism
- Cybersecurity: risk management strategies, data integrity, confidentiality, availability

PROJECTS

Java, Python, SQL

- Personal Finance Application (Java): Generated a program that allows user to add, remove, list, and show expenses.
- Password Generator for Cybersecurity (Python and Java): Created a program to effectively generate secure passwords.
- Store Database (SQL): Focused on the normalization, dependency, relational schema, entity-relationship diagrams in Oracle and SQL to manage/design the data of a store.

WORK EXPERIENCE

IDEA Public Schools - Information Systems Intern   **May-August 2025**

- Updated over 87,000+ student attendance records using PowerSchool and file management systems, ensuring data integrity.
- Performed data entry, validation, and trend analysis in Excel to support attendance reporting and decision-making.
- Helped automate manual files, saving 10 hours per week.

Raising Cane's Chicken Fingers - Crew Member   **May-August 2024**

- Assisted customers with product selection and ordering process.
- Collaborated with team members to maximize productivity and efficiency.
- Demonstrated problem-solving skills by handling customer inquiries and complaints professionally.

EXTRACURRICULAR

Data Science Club, University of Texas at Arlington – Member   **August 2025-Present**

- Participated in group discussions on real-world data trends in data science.
- Attended meetings and workshops to network and share my ideas.

La Sociedad Hispánica (LSH), University of Texas at Arlington - Member and Volunteer   **August 2023-Present**

- Embraced and learned more about my Hispanic culture.
- Volunteered in social and community events by assisting with the setup preparations and engaging with attendees.

SKILLS

Technical Skills: Microsoft 365, Excel, Outlook, Word, Power Point, Teams, Windows, macOS, Linux, Power BI, Azure, Python, Java, SQL, Oracle, Zoom, Security hardening
Soft Skills: written and verbal communication, teamwork, problem solving, adaptability, time management

CERTIFICATIONS

Google Cybersecurity Certificate– Google Coursera   **Issued: November 2025**