Marcella Thomas

Miami, FL

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Summary

Detail-oriented and driven Computer Scientist with hands-on experience in data science, software engineering, and web development. Skilled in Python, Java, machine learning, and data analysis, with practical knowledge of cloud computing and system architecture. Adept at collaborating in multidisciplinary teams, solving complex technical problems, and delivering user-centered solutions. Passionate about leveraging data and technology to drive innovation, sustainability, and inclusivity in tech.

Education

Florida International University   **Aug 2021 - May 2025**
Bachelor of Science in Computer Science   *Miami, FL*
- **GPA:** 4.00

Work Experience

Miami-Dade County   **Aug 2024 - Dec 2024**
Data Science Intern   *Miami, FL*
- Analyzed datasets from the Corrections Department to identify trends and drive policy decisions.
- Applied data science methodologies and visualization tools to deliver actionable insights.
- Collaborated with the team to improve data management systems using Azure, leading to optimized workflows and increased efficiency

Purdue University   **Aug 2024 - Dec 2024**
Data Mining Intern   *Remote*
- Preprocessed data through cleaning, transformation, and feature selection, improving model performance for academic research projects
- Built predictive models using machine learning techniques, enhancing the accuracy of academic research findings
- Collaborated in cross-functional team environments, utilizing problem-solving skills to improve project outcomes and enhance team efficiency

Florida International University - Housing & Residential Life   **Aug 2022 - Jun 2025**
Desk Assistant   *Miami, FL*
- Provided front-line support to residents, maintained accurate logs, and enforced security protocols, ensuring a safe and well-documented living environment
- Supported operational continuity while fostering a supportive community environment, contributing to a positive residential experience
- Documented and resolved resident concerns through effective communication and recordkeeping, enhancing resident satisfaction and trust

Projects

Sustainability Web App   **Aug 2024 - Nov 2024**
Girls Who Code Leadership Academy   *Remote*
- Designed and developed a web application to promote sustainability in school systems.
- Conducted research on eco-friendly practices and embedded findings into app functionality.
- Worked in a team to ensure front-end usability and back-end data integrity.

Leadership & Involvement

Computing Alliance of Hispanic Serving Institutions (CAHSI)   **Aug 2024 - May 2025**
Undergraduate Advocate
- Championed diversity and equity in STEM through advocacy and outreach.
- Supported initiatives focused on academic and professional development for Hispanic-serving communities.

Skills & Technologies

- **Programming Languages**: Python, Java, C++, SQL, HTML/CSS, JavaScript
- **Technologies & Tools**: AWS, Azure, Git, Visual Studio Code, Jupyter Notebooks, MySQL
- **Areas of Expertise**: Data Analysis, Software Development, Cloud Computing, Machine Learning, Web Development, Problem Solving, Cross-functional Collaboration, Artificial Intelligence, Software Engineering, Cloud Essentials, Data Structures, Programming I & II, Computer Architecture, Systems Programming

Certifications

- AWS Cloud Practitioner
- Azure Certificate (In Progress)