

Armando J. Santiago Merle

Aspiring software engineer and passionate musician with a unique blend of technical skills and creative drive. Currently pursuing a degree at the University of Puerto Rico, Mayagüez, I thrive on merging technology with creativity, evidenced by my work in music production and robotics. With a dedication to innovation, teamwork, and continuous learning, I am eager to contribute my skills to challenging projects.

EXPERIENCE

Code Your Music, Music Producer and Programmer

2024

- Integrated Python programming with music production using EarSketch to create original compositions, showcasing both technical knowledge and creativity.
- Explored the intersection of music theory and coding, developing a deep understanding of how to fuse artistry with technology.
- Created 3 original compositions in a 5 days period.

CIMATEC Robotics Club, Programmer in 2252s

2022-2024

- Represented Puerto Rico VEX Robotics World Championship played a pivotal role in developing an autonomous robot that ranked in the top 35% of 800+ teams in the VEX Robotics World Championship.
- Programmed advanced autonomous functions that helped secure a top 10 position in all competitions attended, contributing to over 24 hours of collaboration and problem-solving per week.
- Enhanced team synergy under competition pressure, reinforcing skills in time management, adaptability, precision, and leadership.

AI Productions, Editor and Musical Director

2022-2023

- Directed music for three short films, receiving 5 nominations at the prestigious "Ponte los Cortos" awards.
- Won Best Music Direction, curating soundtracks that significantly brings "tell the story" to the films through sound.

PROJECTS

Cole-Pong: Developed a Pong-inspired game using Python and Pygame, reflecting my pride to be in "El Colegio" and my ability to implement engaging software experiences.
(<https://github.com/mandosantio06/Cole-Pong.git>)

Jang.io: Created a web-based Hangman-like game using Python and Flask, demonstrating my skills in web development and problem-solving. (<https://jang-io.onrender.com>)

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APTITUDES

Programming Languages:
Python, Git, HTML/CSS

Tools: PyCharm, Jupyter
Notebook

Robotics: VEX Robotics (VRC)

Career Roadmap: Introduction
to Programming

Soft Skills: Adaptability, Time
Management, Teamwork,
Team/Individual
Problem-Solving, Self Learner,
and always Hungry for more

ACHIEVEMENTS

Graduated with Honors

Recognized for maintaining a
GPA of 3.50 or more in high
school

Robotics Club Graduation

Award Earn for outstanding
contributions to robotics and
hours dedicated.

Caguas District Graduate

Recognition Honored for
academic excellence.

LANGUAGES

Spanish: Native Language

English: Fluent