

Paloma Almonte

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SKILLS

Computer: Python, Java, JavaScript, React, Docker, Spring Boot, Linux, SQL, Flask, MongoDB, AWS, Node.js

RELATED COURSEWORK

Network Security Systems, Software Engineering II, Cybersecurity Systems, Machine Learning, OOP

EDUCATION

Manhattan College, Riverdale, NY

Bachelor of Science in Electrical/Computer Engineering GPA: 3.73

Expected May 2024

Honors & Awards:

- Dean's Honor List, Tau Beta Pi, HKN Honor Society, Epsilon Sigma Pi

WORK EXPERIENCE

Information Technology Services Technician, *Manhattan College*

August 2020- Present

- Diagnosed and resolved an average of 100+ hardware and software issues weekly across campus.
- Managed and resolved over 500+ customer inquiries via phone calls and ticketing system annually.
- Conducted comprehensive training sessions for 10+ new team members.

Data Acquisition Engineer Intern, *Merit Controls*

May 2022- Sept 2022

- Configured SCADA screens by optimizing data visualization & resulting in a 30% increase in monitoring speed.
- Perform quality assurance tasks for SCADA systems.
- Automated CSV file transfers to SCADA systems, reducing manual intervention by an impressive 55% utilizing Python.

RESEARCH

Machine Learning Research, *Manhattan College*

June 2022- Present

- Optimizing an assistive device for blind people by 10% faster than alternative designs.
- Individually and collaboratively, collected and presented findings to audiences.
- Proofread and edit research paper in a timely and professional manner.

Smart Home Research, *University of Zaragoza, Spain*

May 2023 – Present

- Investigated on implementing LLM integration within a POF smart home system catering to elderly individuals, resulting in a 25% improvement in user interaction efficiency.
- Trained machine learning models utilizing audio datasets, enabling task execution from verbal commands, reducing response time by 30%.

PROJECTS

Blockchain, *Personal project*

- Developed a Blockchain-based File Sharing System using Python, ensuring decentralized and secure file exchange.
- Implemented AES encryption and integrated IPFS.
- Established a server-client architecture and built a user-centric website using Flask.

PROGRAMS

Netflix Pathways Bootcamp, *Online*

June 2023-Present

- Completed a 12-week advanced development curriculum, mastering Java application and microservices development for optimal performance and efficiency.
- Acquired in-depth knowledge of development, security, and deployment concepts, integrating industry-standard tools like Spring Boot, SQL, and AWS, utilized by modern development teams.

LEADERSHIP ROLE/MEMBERSHIPS

- **Google Developer Student Club**, *Founder & President* August 2023-Present
- **Cybersecurity Club**, *Co-Founder* May 2022-Present
- **Institute of Electrical and Electronics Engineers MC Club**, *Secretary* Sept 2021-Present
- **Engineers Without Border**, *Undergraduate Representative* Sept 2021-Present