

Melani Triana

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EDUCATION

New Jersey Institute Of Technology

Bachelor's of Science in Computer Science

Newark, NJ

Sep. 2022 – Dec 2026

EXPERIENCE

Information Technology Support Specialist

Freelance // Volunteer

May. 2024 – Present

Bergen County, NJ

- Provide remote and on-site support for various operating systems (Windows, MacOS, Linux)
- Optimize system performance by cleaning up unnecessary files, managing startup programs, and updating drivers
- Conduct workshops and one-on-one sessions to teach basic computer skills, internet usage, and digital literacy
- Develop training materials and resources tailored to different skill levels, from beginners to advanced users

Undergraduate Research Assistant

Bergen Community College

June 2023 – May 2024

Paramus, NJ

- Ensure compliance with ethical guidelines and institutional policies when handling sensitive data
- Design and implement endpoints for CRUD operations
- Write and optimize SQL queries to handle large datasets efficiently
- Validate and process incoming data, ensuring it meets the required criteria before storing it in the database

PROJECTS

Portfolio Website | *HTML, CSS, JavaScript, Vs Code*

February 2024 - March 2024

- Developed a personal website using CSS, HTML, JS
- Utilized the OpenCV library to capture and process real-time video input, detecting faces and drawing bounding boxes around them
- Designed the application to display content in a user friendly manner
- Built and tested the project in VS Code, ensuring seamless functionality and optimizing performance for a smooth user experience

Simple Facial Recognition | *Python, OpenCV, Vs Code*

Nov 2024

- Developed a facial recognition application using Python and OpenCV, designed to identify and verify individuals based on facial features
- Utilized the OpenCV library to capture and process real-time video input, detecting faces and drawing bounding boxes around them
- Designed the application to display real-time results, allowing for quick recognition and user feedback
- Built and tested the project in VS Code, ensuring proper functionality and optimizing performance

Figma Pizza App Prototype | *Figma, UI/UX Design* Oct 2024 – Nov 2024

- Designed an interactive app prototype for a pizza restaurant using Figma to streamline the user experience for ordering and delivery
- Conducted usability testing and incorporated user feedback to enhance navigation, functionality, and visual aesthetics
- created a fully interactive app prototype for a pizza restaurant, aimed at simplifying the ordering process and enhancing customer satisfaction
- Facilitated multiple rounds of usability testing, collecting and analyzing feedback to iteratively improve navigation, layout, and user flow

TECHNICAL SKILLS

Languages: Python, C/C++, Html, CSS

Developer Tools: Github, Vs Code, Flask, Figma