

JAMAICA VERA

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SUMMARY

- Computer Engineering graduate with strong foundation in software development, machine learning, and web technologies, complemented by experience in hardware and embedded systems.
- Skilled in building innovative applications, integrating ML/DSP solutions, and developing automation systems.
- Adaptable, detail-oriented, and effective in both individual and team-based projects.

EXPERIENCES

Software Development Intern | TRIOE DevOps, STEER Hub

February 2025 - April 2025

- Assisted in software and web development tasks, applying basic knowledge in programming and debugging.
- Contributed to UI/UX and graphic design for projects, enhancing usability and visual appeal.
- Supported the team in testing and improving applications to ensure functionality and reliability.
- Developed problem-solving and teamwork skills by working closely with mentors and peers in a professional environment.

Computer System Servicing (CSS) Major | Junior High School – Bauan Technical High School

2016 - 2018

- Gained hands-on experience in computer hardware assembly, repair, and maintenance.
- Performed system troubleshooting and installation of operating systems and software.
- Practiced basic networking setup including LAN configuration and cabling.
- Applied preventive maintenance techniques to ensure efficient computer system performance.
- Successfully passed TESDA NC II – Computer System Servicing assessment (certificate not claimed).

EDUCATION

Bachelor of Science in Computer Engineering

Batangas State University - Alangilan Campus, The National Engineering University | 2025

Science, Technology, Engineering, and Mathematics (STEM)

Bauan Technical High School | 2019 - 2021

Computer System Servicing (CSS)

Bauan Technical High School | 2016 - 2018

SOFTWARE AND DEVELOPMENT SKILLS

- Programming: Python, C, C++, Java, JavaScript
- Web Development: HTML, CSS, React.js, Node.js
- Tools: Git, VS Code, Google Colab, MATLAB
- Graphic Design: Canva, PicsArt, Capcut

HARDWARE AND EMBEDDED SYSTEM SKILLS

- Microcontrollers: Arduino
- IoT Devices: Sensors & Actuators, LCD, Buzzer Modules
- Circuit Design & Prototyping: Tinkercad, Breadboarding

SOFT SKILLS

- Problem-solving & analytical thinking
- Leadership & teamwork in collaborative projects
- Communication & presentation skills
- Adaptability to new tools & technologies

PROJECTS

Thesis Project – AcoustiTune : Sound Optimization and Recommendation Application for Venue-specific Audio Enhancement

Developed a web-based ML + DSP application for venue-specific sound optimization and real-time audio recommendations.

Smart City Automation Project

Built an automatic window and garage door system with rain sensor integration using Arduino and actuators.

Machine Learning Research

Implemented CNN architectures (e.g., AlexNet) for image classification on Kaggle datasets.

SEMINARS ATTENDED

Building a Smarter grid-IoT, Security and Innovation in the Philippines

Speaker: Butch Brian Velasco De Luna, *Tech Ops & InfoSec Manager*

Introduction to Digital Twin Technology: Concepts and Application

Speaker: Architect Jijet Ana Clariz V. De La Rosa, *UAP, EnP Corporate Planning and Business Development Head Aidea*